

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



62,43

Season  
of  
1930

# FARMER SEED and NURSERY CO.

FARIBAULT, MINN.

INDEXED

FEB 3 1930

U.S. Dept. of Agriculture



## Annual Larkspur

Unsurpassed for Summer Cut  
Flowers or Bedding, listed and  
described on page 59.

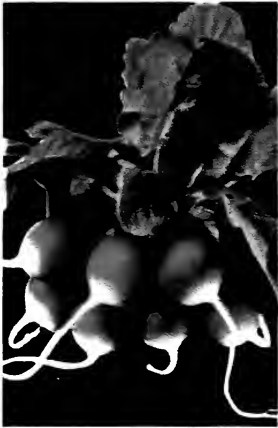
## Giant Petunias

We have developed this old  
favorite into one of the most  
exquisite flowers of today. See  
page 61.

— 42<sup>ND</sup> ANNUAL CATALOG —

Vegetable Seed Trials D. N. Shoemaker

JAN 25 1930



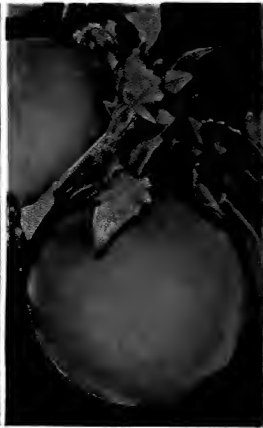
**SCARLET TURNIP RADISH.**  
Pkt., 5c. See Page 23.



**CHANTENAY CARROT.**  
Pkt., 10c. See Page 10.



**STAYGREEN CUCUMBER.**  
Pkt., 10c. See Page 13.



**MARGLOBE TOMATO.**  
Pkt., 10c. See Page 28.

## Vegetables That Will Make Yours a Different Garden

It's just as easy to grow the better strains of vegetables and be a jump ahead of the neighbors with varieties that show marked improvement in quality and flavor over the common sorts.

We have selected the cream of the finest vegetable varieties that have proven their merits in our own trials and are preferred by leading market gardeners.

See descriptions of each on the pages indicated, and prices on larger quantities. You will make no mistake in adding this collection to your order.

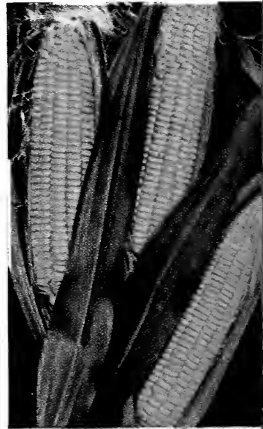


**SURE CROP STRINGLESS  
WAX BEANS.**  
Pkt., 10c. See page 4.

### Special Quality Vegetable Collection Offer

One packet each of the ten special vegetable varieties  
listed on this page, prepaid for ..... **60c**  
(Your dealer can also supply this collection)

**You Will Never Know Real Northern  
Quality and Flavor in Vegetables  
Until You Grow These**



**NEW SWEET ORANGE  
SWEET CORN.**  
Pkt., 10c. See Page 26.



**EARLY WONDER BEET.**  
Pkt., 5c. See Page 8.



**SPINACH—King of Denmark.**  
Pkt., 10c. See Page 24.



**FIRST OF ALL LETTUCE.**  
Pkt., 10c. See Page 14.



**FARIBAULT REE GLOBE  
ONION.**  
Pkt., 10c. See Page 18.

**For Other New and Superior Varieties of Vegetables, See Pages 33-34.**



# BLUE FIGURE PRICE LIST

is subject to market changes, stocks being unsold, bags included in weight.

FARMER SEED & NURSERY CO. absolutely guarantee their Red and Alsike Clover, as well as the Alfalfa they are offering, as strictly own or northwestern grown seed, but give no warranty, express or implied, as to the descriptions, productiveness, or any other matter of any lbs, or plants they send out, and they will not be in any way responsible for the crop. Purity and germination tests are given for guidance without guarantee. If the purchaser does not accept goods on these terms, they are to be returned at once.

FARMER SEED & NURSERY CO. Faribault Minn., Jan. 15, 1930

## NORTHERN GROWN CLOVERS

IS IS THE YEAR TO SOW PLENTY OF CLOVERS

at prices in years, but make certain to get quality seed, cleaned and free from noxious weeds. You can always on Master Farmer Brand for highest purity, hardness and tion. So this year feed your soil with Clovers—it will re-tenfold.

(Bu. 60 lbs.) Purity Peck Bu. 100 lbs.			
ter Farmer Brand.....	99.20	\$3.85	\$14.60
ter Farmer Brand.....	98.00	3.70	14.00
ter Farmer Brand.....	99.30	3.95	15.20
ter Farmer Brand.....	98.00	5.25	20.00
ter Farmer Brand.....	96.00	4.90	18.80
ter Farmer Brand.....	99.22	3.70	14.00
ter Farmer Brand.....	98.00	3.55	13.40
ter Farmer Brand.....		1.60	5.65
ter Farmer Brand.....	99.00	1.65	5.90
ter Farmer Brand.....	99.76	1.65	5.90
ter Farmer Brand.....	99.80	1.75	6.20
ter Farmer Brand.....		3.95	14.65

## NORTHERN GROWN ALFALFA

ONLY U. S. VERIFIED ORIGIN SEED SOLD HERE

Don't buy Alfalfa Seed unless it is of U. S. Verified Origin. This is for your protection—set up by the Government. It assures you of getting seed of the origin you are paying for and prevents misbranding. For your own sake therefore, buy only U. S. Verified Origin Alfalfa Seed. We sell no other.

(Bu. 60 lbs.) Purity Peck Bu. 100 lbs.			
ter Farmer Brand.....	99.00	\$4.75	\$18.25
ter Farmer Brand.....	99.00	4.75	18.25
ter Farmer Brand.....	99.10	4.10	15.80
ter Farmer Brand.....	99.00	4.10	15.80
ter Farmer Brand.....	99.50	5.60	21.25
ter Farmer Brand.....	99.50	5.70	21.85
ter Farmer Brand.....	99.40	6.30	24.25
ter Farmer Brand.....	99.50	6.20	23.65
ter Farmer Brand.....	99.40	5.85	22.45

## Special Opportunity Lots for Early Buyers

Truthfully Described—Noxious Weed-Free And Sold Subject To Return If Not Satisfied.

### GRIMM ALFALFA—Lot Polar

hardy, northern grown seed from some of the oldest fields in north country. This lot supported by growers affidavit has characteristic of genuine Grimm. Only because it is slightly an our "Master Farmer" quality do we offer it at this exception. U. S. Verified Origin Seed. Purity over 99% and no weeds—what more could be asked? While unsold, we offer this

\$5.25; ½ bu., \$10.00; bu., \$19.45; 100 lbs., \$32.00. F. O. B. Faribault.

### N. GROWN ALSIKE CLOVER—Lot Wine

prop seed—fine color—no noxious weeds. Would qualify for Farmer" only for the fact that it contains a small percentage each of Red Clover and White Dutch Clover. Nothing objectionable will make an elegant hay crop. Surely represents an exceptional while available at—

\$3.45; ½ bu., \$6.40; bu., \$12.25; 100 lbs., \$19.95. Bags 100. F. O. B. Faribault.

### MOTHY AND ALSIKE MIXED—Lot Great

the best mixtures for a hay crop that can be sown on any farm. Clovers in this lot are over 20%—balance, Timothy. No noxious This lot represents one of the greatest values we have to offer to the big demand for this Mixture, order early while it is at our special price of—

\$2.80; bu., (50 lbs.), \$5.15; 100 lbs., \$9.90. F. O. B. Faribault. Sacks included.

### MEDIUM RED CLOVER—Lot Truth

Minnesota Grown Seed—all re-cleaned, free from noxious weeds and just a trace of pigeon grass keeps it from qualifying as "Master Farmer" Brand. For a hay crop or soil fertilizer, it will answer the purpose of the most expensive seed. Look over the samples we are enclosing and you will recognize a bargain at the price we offer this lot, while unsold—

Peck, \$3.65; ½ bu., \$6.85; bu., \$13.15; 100 lbs., \$21.50. F. O. B. Faribault. Sacks included.

### WHITE BLOSSOM SWEET CLOVER—Lot North

You will have to see a sample of this seed to appreciate it. Nice bright color—big plump seed; carefully hulled and scarified; no noxious weeds. Has about 3% Yellow Blossom Sweet Clover which in no way lessens its value for hay or fertilizer purposes. We offer this, while unsold, at—

½ bu., \$3.00; bu., \$5.60; 100 lbs., \$9.00. F. O. B. Faribault, Sacks included.

Remember any of our lots must meet your entire approval, or return them and get your money back.

### SPECIAL IDEAL SILO CORN

The greatest Fodder Corn for the Northwest—stalks growing 8 to 10 feet high and producing an abundance of broad, thick leaves.

Best of all, Ideal Silo also matures good sized yellow ears, thereby furnishing a well balanced fodder.

It withstands wind and drought remarkably well and will fill your silo with half the acreage usually required.

We are making the lowest price in years, just to prove this to you.

Price: Peck, 75c; bu., \$2.50; 5 bu. and over at \$2.35 per bu. Sacks included.

## FREE An Artificial Potted Plant Weather Forecaster FREE

casts the weather by changing color of leaves. When it's blue, it will be fair. When pink, a storm is in the air, and lavender, so beware.

FREE with a \$1.50 order for Garden Seeds or \$2.50 order for Farm Seeds, if ordered before March 1st if you ask for it.

ON ALL ORDERS TO GO PARCEL POST, ADD POSTAGE AT ZONE RATES

USE ORDER BLANK IN BACK OF CATALOG — OVER —

WE DO NOT PREPAY FREIGHT CHARGES—For FREIGHT PREPAID OFFERS mean, you help to pay long distance shipments of others. With us, you pay only YOUR rightful share and shipments are forwarded promptly in the most direct and economical way.

# FARMER SEED & NURSERY CO.'S

## Blue Figure Price List

If seeds are wanted by parcel post, add postage at zone rates, see Page -1- Prices include bags for shipping.

### HARDY GRASSES

Prices include sacks	25 Lbs.	50 Lbs.	100 Lbs.
<b>TIMOTHY (Bu. 45 lbs.)</b>			
Master Farmer Brand.....	\$2.15	\$ 4.15	\$ 8.00
Fancy.....	2.10	4.00	7.75
<b>TIMOTHY AND ALSIKE</b>			
(Bu. 50 lbs.) (About 20-25% Alsike)...	2.90	5.65	10.90
<b>BROMUS INERMIS</b> .....	6.00	11.50	22.50
<b>REED CANARY GRASS</b> Per lb., \$1.75; 5 lbs. up, \$1.50 lb.			
ENGLISH RYE GRASS (Perennial).....	4.40	8.25	16.00
ITALIAN RYE GRASS.....	4.60	8.75	17.00
ORCHARD GRASS.....	6.65	12.75	25.00
<b>KENTUCKY BLUE GRASS</b>			
Master Farmer Brand.....	6.65	12.75	25.00
Fancy.....	6.50	12.50	24.50
<b>CREeping BENT</b> ..... 10 lbs., \$10.00	22.00	43.00	85.00
<b>FESCUE, MEADOW</b> .....	4.75	8.75	16.50
<b>RED TOP</b>			
Master Farmer Brand.....	6.25	12.00	23.50
Fancy.....	6.05	11.75	23.00
<b>LAWN AND GOLF MIXTURES</b> .....	See Page 60		
<b>SPECIAL PASTURE AND MEADOW MIXTURES</b> .....	See Page 72		
<b>HOG PASTURE MIXTURES</b> .....	See Page 72		

### IMPROVED SEED GRAINS

Prices include bags	Germ. %	Peck	Bu. 5 Bu. 10 Bu.
			@ @
<b>WHEAT (Bu. 60 lbs.)</b>			
Hope Wheat—The Newest Crop Creation, See Page 75.			
Ceres Rust Resistant Certified.....	93	\$0.65	\$2.35 \$2.20 \$2.10
Marquis type, Minn.....	95	.65	2.25 2.10 2.00
Mindum Durum.....	95	.65	2.25 2.10 2.00
<b>SPELTZ OR EMMER (Bu. 40 lbs.)</b> .....	95	.45	1.35 1.20 1.10
<b>OATS (Bu. 32 lbs.)</b>			
Logold Rust Resistant Certified.....	95	.35	1.20 1.10 1.00
Roosevelt.....	95	.35	1.30 1.20 1.15
Swedish Select Wis. No. 5			
Certified.....	95	.35	1.20 1.15 1.10
Iowa No. 105.....	95	.35	1.15 1.05 .95
Early Minnesota White.....	95	.35	1.10 1.00 .90
Gopher Certified.....	95	.35	1.15 1.05 .95
Early Kherson.....	95	.35	1.15 1.05 .95
<b>BARLEY (Bu. 48 lbs.)</b>			
New Era Certified.....	90	.55	1.95 1.85 1.75
Manchuria No. 184 Certified.....	98	.50	1.40 1.30 1.20
Velvet, Minn. No. 447, Certified.....	98	.50	1.40 1.30 1.20
Success Beardless.....	93	.50	1.50 1.40 1.35
Glabron, Minn. No. 445,			
Certified.....	93	.55	1.95 1.85 1.75
White Hullless.....	90	.55	1.75 1.65 1.55
<b>SPRING RYE (Bu. 56 lbs.)</b> .....	90	.55	1.80 1.75 1.70
<b>FLAX (Bu. 56 lbs.)</b>			
Winona, Cert. Wilt Resistant.....	98	1.25	4.75 4.60 4.50
Bison, Rust and Wilt Resistant			
Certified.....	95	1.60	5.50 5.35 5.25
Buda, Rust and Wilt Resistant,			
Certified.....	95	1.60	5.25 5.15 5.00
Minnesota No. 25 Primost.....	98	1.25	4.65 4.50 4.40
<b>BUCKWHEAT (Bu. 50 lbs.)</b>			
Japanese.....	92	.65	2.00 1.90 1.85
Japan Hull.....	92	.65	2.00 1.90 1.85
Mixed Varieties.....	92	.60	1.90 1.80 1.75

### RAPE, CANE, KAFFIR CORN, MILLET

	10 Lbs.	25 Lbs.	50 Lbs.	100 Lbs.
<b>RAPE</b>				
Dwarf Essex.....	\$1.25	\$2.40	\$4.30	\$8.25
Dwarf Victoria.....	1.30	2.55	4.60	8.75
<b>SUGAR CANE</b>				
Minnesota Early Amber.....	1.00	1.65	2.85	5.25
Southern Grown for Fodder.....	.90	1.50	2.50	4.50
<b>KAFFIR CORN</b> .....	.75	1.25	2.00	3.50
FETEITA.....	.80	1.40	2.25	4.00
<b>SUDAN GRASS</b> .....	1.00	1.95	3.50	6.75
<b>SUNFLOWER</b>				
Mam. Russian.....	1.20	2.25	4.25	8.00
<b>MILLET</b>				
Golden or German, Southern Grown	.75	1.25	2.35	4.50
Siberian.....	.75	1.25	2.35	4.50
Hungarian.....	Sold out			
White Wonder.....	.65	1.20	2.15	4.00
Broom Corn or Hog.....	.60	1.10	1.90	3.50
Early Fortune.....	.60	1.05	1.95	3.60
Japanese (Billion Dollar Grass).....	.90	1.70	2.95	5.50

### MINNESOTA GROWN SEED CORN

All Certified Seed Corn Comes In 1-bu. 2-bu. and 2½ bu. Scaled Bags

GERMINATION 90% and Over—FIRE CURED

Prices include bags.	Peck	Bu. 2½ Bu. 10 Bu.
(56 lbs. Bu.)		@ @
Golden Jewel, Certified.....	\$1.25	\$4.25 \$4.10 \$4.00
Golden Jewel, Not Certified.....	1.00	3.75 3.60 3.50
Minnesota No. 13 Central Strain, Cert.....	1.15	4.00 3.85 3.75
Minnesota No. 13 Central Strain, Not		
Certified.....	.95	3.50 3.35 3.25
Minnesota No. 13 Large Type, Cert.....	1.15	4.00 3.85 3.75
Minnesota No. 13 Large Type, Not Cert.....	.95	3.50 3.35 3.25
Minnesota No. 13, Extra Early Strain, Ct.....	1.25	4.25 4.10 4.00
Early Murdock Golden Dent, Certified.....	1.15	4.00 3.85 3.75
Early Murdock Golden Dent, Not Cert.....	.95	3.50 3.35 3.25
Golden Glow, Wis. No. 12, Certified.....	1.15	4.00 3.85 3.75
Golden Glow, Not Certified.....	.95	3.50 3.35 3.25
Golden Glow Cold Resistant, Certified.....	1.25	4.25 4.10 4.00
Minnesota Ideal, Certified.....	1.00	3.75 3.60 3.50
Silver King Wis. No. 7.....	.95	3.50 3.35 3.25
Rustler White Dent, Certified.....	1.15	4.00 3.85 3.75
Rustier White Dent, Not Certified.....	.95	3.50 3.35 3.25
Northwestern Dent, Certified.....	1.15	4.00 3.85 3.75
Northwestern Dent, Not Certified.....	1.00	3.60 3.45 3.35

### MINN. GROWN FLINT CORN

Canada Smut Nose.....	\$1.00	\$3.50	\$3.35	\$3.25
King Philip.....	1.00	3.50	3.35	3.25
Longfellow (Improved Minn.).....	1.00	3.50	3.35	3.25

### FODDER CORN

<b>F. S. &amp; N. Co's Ideal Silo (From Certified Seed)</b> .....	.75	\$2.50	\$2.35	\$2.25
Early or Late Yellow Dent Fodder.....	.65	2.25	2.15	2.00
Yellow Dent; Butts and Tips.....	.60	2.00	1.90	1.75
Early or Late White Dent Fodder.....	.65	2.25	2.15	2.00
Red Cob Fodder, Southern Grown.....	.65	2.25	2.15	2.00
Evergreen Sweet Fodder Corn (48 lbs. Bu.).....	.55	3.00	2.90	2.75

### SOY BEANS

(Bu. 60 lbs.)	Peck	Bu. 100 lbs.
Prices include sacks.		
Black Eyebrow.....	\$.95	\$3.25 \$5.25
Manchu.....	.85	2.85 4.60
Ito San.....	.95	3.25 5.25
Wisconsin Early Black.....	Sold Out.	

### FIELD BEANS, PEAS, VETCHES

(Bu. 60 lbs.)			
Canada Yellow Field Peas			
Master Farmer.....	\$1.15	\$4.00	\$6.50
Fancy.....	1.05	3.90	6.25
Field Beans, Great Northern (See Page 5)			
Field Beans, Robust Navy (See Page 5)			
Vetches, Hairy or Winter (Mich. Grown).....	2.40	9.15	15.00

### MINNESOTA GROWN SEED POTATOES

PRICES SUBJECT TO MARKET CHANGES

Bags free. If wanted in barrels, add 50c per bbl. of 3 bushels.


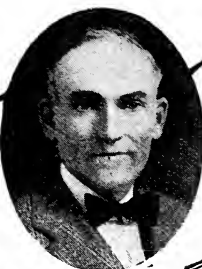



	Bu. 5 Bu. 10 Bu.
	@ @
Early Bliss Triumph.....	\$2.60 \$2.50 \$2.40
Early Ohio.....	2.50 2.40 2.30
Early Irish Cobbler.....	2.35 2.25 2.15
Green Mountain.....	2.35 2.25 2.15
Carman No. 1.....	2.35 2.25 2.15
Rural New Yorker.....	2.35 2.25 2.15
Fairbault Mammoth Prize.....	2.45 2.35 2.25
Snowflake.....	2.45 2.35 2.25

### SECOND SIZE POTATOES

	Bu. 5 Bu.
	@ @
Early Ohio.....	\$1.85 \$1.80
Early Irish Cobbler.....	1.85 1.80
Snowflake.....	1.85 1.80

USE ORDER BLANK IN BACK OF CATALOG

WE DO NOT PREPAY FREIGHT CHARGES—For FREIGHT PREPAID OFFERS mean, you help to pay the long distance shipments of others. With us, you pay only YOUR rightful share and shipments are forwarded promptly in the most direct and economical way.

**H. WASSMUND**  
MGR. SEED CLEANING DEPT.

**N. C. BIETER**  
VICE PRES.  
MGR. FARM SEED DEPT.

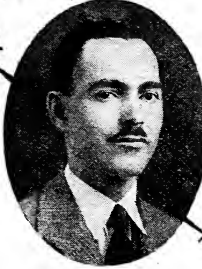
**E. J. KIEKENAPP**  
PRES. AND GEN. MGR.

**CHAS. DUFFINA**  
SECY.-OFFICE MGR.

**GEO. SIEVERS**  
MGR. GARDEN AND  
FLOWER SEED DEPT.

**WITH THE GREETING OF**

**OUR OFFICIAL FAMILY**




**L. P. VASSAR**  
SEED ANALYST AND CORN BREEDER

**WE PRESENT OUR 1930 SEED ANNUAL**

It is 42 long years since we greeted our first customers. Many have passed on—many have shifted their burdens to younger shoulders. We mourn the passing of our old friends but are cheered on by the fine spirit of unbroken loyalty of the new generation. Like father, like son, they entrust their seed wants to us, knowing we will keep the faith that has established a nation-wide reputation for Master Farmer Seeds.

Again we re-affirm our pledge to serve you honestly and faithfully—and that we are not satisfied until you, too, are satisfied. The pages that follow will tell our story. We confidently feel that we can help you to bigger and better crops—to greater happiness and prosperity. With many thanks for your patronage in the past and hoping we may again be of service to you.



**A. A. ZIELKE**  
MGR. PRINTING DEPT.

**FARMER SEED & NURSERY CO.**  
*E. J. Kiekenapp, President*

## ORDERING MADE EASY—Read Carefully

**Order Blank in Back of Catalog, Index on Page 88**

**ORDER EARLY.** We are always rushed during March and April. Besides, we always add some seeds complimentary with early orders.

**YOUR NAME AND ADDRESS.** Write plainly, full name, post-office, state, street address or box number and keep a copy of your order.

**SENDING MONEY.** A postoffice money-order is the simplest method (use money-order blank enclosed)—bank draft, express money order or your check is good. Banks charge 10c collection fees on personal checks which must be added if check is sent. Stamps up to \$1.00 are acceptable. Never send cash in a letter unless registered—otherwise we cannot be responsible.

**OUR TERMS ARE CASH WITH ORDER.** If goods are wanted C. O. D., one-third of the amount must be sent with order. All C. O. D. orders travel at purchaser's expense. Under no circumstances can we send out C. O. D. shipments of perishable goods such as Potatoes, Onions, Plants, Bulbs, Nursery Stock, etc.

**FLUCTUATION IN PRICES.** We issue our Blue Figure Price List from time to time, giving the market changes. Customers are always given the benefit of price decline, but we are compelled to change more when our stocks are replaced at higher prices.

**OUR GUARANTEE.** The seeds we offer in this catalog have been carefully grown, selected, cleaned and repeatedly tested. They are the best that money can buy. If failure should result, through fault of the seed, you may have the money back that was paid, or we will refill your order free.

**THE FARMER SEED & NURSERY CO.,** therefore gives no warranty, express or implied, as to the descriptions, quality, productiveness, or any other matter of any Seeds, Plants or Bulbs which they send out, and will not be in any way responsible for the crop. Every order from this catalog will be executed on these conditions only. If the purchaser does not accept our goods on these terms, they must be returned at once, and the purchase price will be refunded.

**OUR RESPONSIBILITY.** This catalog will reach many who have never dealt with us before. For their benefit, we give the following references:

Faribault State Bank. Citizens' National Bank.  
Security National Bank. Chamber of Commerce, Faribault, Minn.  
Dun's and Bradstreet's.

**OUR MARKET GARDENER'S PRICE LIST** is sent free, upon request, to all who buy in large quantities.

**CORRESPONDENCE.** We try to answer all letters promptly. Help us, by writing your questions briefly on a separate sheet of paper, and giving your full name and address.

**POTATOES, ONIONS, PLANTS AND NURSERY STOCK**—are shipped as soon as weather conditions permit, and customers are then notified of shipment. Seeds are always shipped separately from these items.

**SAFE DELIVERY GUARANTEED.** If any shipment reaches you in bad condition, notify us at once. If it has come by freight or express, have the agent make notation of the damage, and send us the receipt and bill of lading. Otherwise we can collect nothing for you.

We send shipments the cheapest way, unless you specify otherwise.

**FREE DELIVERY.** We prepay postage or express charges (our option) on all items marked prepaid in this catalog, to any post office in the United States. All other goods are sent at purchaser's expense. If wanted by parcel post, enough money must be enclosed to cover postage on goods and packing box, etc.

Orders for 5 pounds or more, to the fifth zone or further, travel more cheaply by express than parcel post. On large orders, we always include extra packets of seeds, free, to help cover postage or express.

**PREPAID STATIONS**—with no agents, cause delay and trouble, unless money is sent to prepay the charges. Prepaid shipments travel at purchasers' risk. We are located on the C. M. & St. P., C. R. I. & P., C. G. W., and the Minneapolis & Southern.

**POISONS CANNOT BE SENT BY MAIL.**

**WEIGHT BY PARCEL POST.** Packages weighing 70 lbs. can be sent into the 1st, 2nd, and 3rd zones, and 50 lbs. is the weight limit to the farther zones.

### PARCEL POST RATES

ZONE	Distance up to	For First Each Pound,	
		Pound	Additional
1st and 2nd.....	150 miles	7c	1c
3rd .....	150- 300 miles	8c	2c
4th .....	300- 600 miles	8c	4c
5th .....	600-1,000 miles	9c	6c
6th .....	1,000-1,400 miles	10c	8c
7th .....	1,400-1,800 miles	12c	10c
8th .....	over 1,800 miles	13c	12c

In estimating parcel post charges be sure to make allowance for packing. A fraction of a pound takes full pound rate. Faribault is 50 miles south of St. Paul. If uncertain regarding rate or distance ask your postmaster.



## OUR TRIAL GARDENS

ON HIGHWAY NO. 1—NORTH OF FARIBAULT  
WHERE ALL VEGETABLES AND FLOWERS ARE TESTED FOR TYPE AND GERMINATION

### 'MAKE THE GARDEN PAY' FREE TO OUR CUSTOMERS

Here is a book every gardener should have—it tells in a condensed form all you should know in order to get the most out of your garden. It is written by experts—contains 80 pages and is fully illustrated.

Here are some of the contents: How to Plant, What Varieties to Choose, Making Hotbeds, Grouping Vegetables, Irrigation and Mulching, Cultural Directions, Insect Enemies, Storing Vegetables, Root Cellars and Pits, etc.

We offer this book free with a \$1.00 order for vegetable or flower seeds, or with a \$3.00 order for farm seeds. Be sure to ask for it. If wanted with smaller orders, send 10c extra.

VISITORS  
ALWAYS  
WELCOME

NO RISK  
IN DEALING  
WITH US

## PEONIES FROM FARIBAULT—The World's Peony Capitol



Acres of the World's Finest Peonies.

**H. F. REDDICK.** Flowers very large, of a brilliant dark red with gold stamens showing among the petals. Semi-rose type. Very free-flowering and fragrant. Midseason. Strong 3-5 eye divisions, each 70c, prepaid.

## FINE HARDY IRIS

The Iris increases rapidly by division. Should be planted in a well drained sunny position, just deep enough to cover the roots. In the following descriptions "S" or Standards refers to the upright petals; "F" or Falls refers to the lower or drooping petals.

**PALLIDA DALMATICA.** Both standards and falls a clear lavender-blue. Very fragrant.

**MME. CHEREAU.** Standards and falls pure white, with a frilled edge of clear blue.

**SHERWIN WRIGHT.** Clear, rich golden yellow, without markings or shadings. Very free-flowering.

**LOHENGRIN.** Deep lilac-rose. A tall strong growing variety. One of the finest.

**MONSIGNOR.** S. rich violet; F. velvety purple crimson. A late blooming iris. Very large flowers.

**RHEIN NIXE.** S. white; F. violet-blue with narrow white edge. Very distinct. Tall strong grower.

Price: Your choice, 3 plants for 55c, dozen for \$1.60, prepaid.

FLOWER LOVERS—DON'T MISS THE NATIONAL FLOWER AND GARDEN SHOW AT MINNEAPOLIS MAR. 29—APR. 6, 1930.

If you have never witnessed Faribault's Annual Peony Festival, you have missed a treat that is worth travelling many miles to see.

Each June, at Peony time, a huge Festival is held to do honor to the Peony Queen and re-affirm Faribault's position as the Peony Capitol of the world. Last June 35,000 flower lovers came from all directions to see the wonderful floral parade and to visit the Peony fields in full bloom. They marvelled at the beauty and grandeur of the spectacle and each year Faribault's Peony Festival grows in fame and popularity.

You, too, may enjoy some of these rare beauties in your own garden by planting Faribault's famous Peonies.

**MONSIEUR DUPONT.** Very large flowers of glistening ivory white; center petals bordered with carmine. Fragrant. Tall, strong grower. Midseason. Strong 3-5 eye divisions, each 65c, prepaid.

**ALBERT CROUSSE.** Beautiful salmon-pink flowers of globular form. Tall, erect, profuse bloomer. An exceptionally fine peony. Late. Strong 3-5 eye divisions, each 65c, prepaid.

**MODESTE GUERIN.** Large, compact flowers of rose pink. Extra fine bud. Very fragrant. Strong, free bloomer. Midseason. Strong 3-5 eye divisions, each 70c, prepaid.

**CHARLES McKEL-**

**LIP.** A prize peony. Large perfectly formed flowers of semi-rose type. Color a deep, rich crimson. Considered one of the best. Late midseason. Strong 3-5 eye divisions, each \$1.50, prepaid.



Other Varieties  
of Peonies on In-  
side Back Cover.

German Iris.



# HARDY NORTHERN GROWN VEGETABLE SEEDS



## The Simple Road to Garden Success

First of all, dependable quality seed of high germination is essential. Only the best seed should be sown for satisfactory results. No gardener can afford to waste his space, time, and labor with seeds of uncertain quality.

For 42 years, we have been supplying customers with Vegetable and Flower seeds, and in many families, the second and third generations are now our customers. We offer the best seeds that can be produced; these are tested in our own laboratory and in our trial grounds, to prove their worth. Our reputation is built upon fair prices, honest values, and genuine satisfaction.

**ALL SEEDS PREPAID, EXCEPT AS NOTED.** Please add 5c per lb. to the prepaid price of beans, corn, peas, and potatoes, to be sent to points in zones 5, 6, and 7. If large quantities of seeds are to be sent by parcel post, add postage at zone rates, as per schedule on page 3. Be sure to allow enough money to cover weight of packing, usually one pound extra.

**MAY WE SUBSTITUTE?** When our stocks are sold out, may we send similar varieties in place of those ordered? In such cases, we try to send even better values than those seeds ordered.

**EXTRA PACKETS FOR GOOD MEASURE.** We aim to give our customers even more than their money's worth. When your shipment arrives, you will find a few packets of choice varieties, not on your order, included with our compliments.

**PLEASE USE VARIETY NAME AND NUMBER** when ordering, and help us eliminate mistakes in filling orders.

Don't fail to get our 78 page book, "Make the Garden Pay." It contains everything you want to know about gardening; fully illustrated. Price 10c, prepaid.

## LIMA BEANS

One pound will plant a row 50 feet long.

Lima Beans, tender and fresh from the garden, are the most delicious of all beans. The young green Baby Lima Beans are wonderful when canned. If you have never grown them, you have missed one of the best things in the garden.

Bush Limas are about 2 weeks earlier than Pole Limas. They should be planted in rows 3 feet apart in rich soil, 6 to 10 inches apart in the row, always setting the seed with the eye down. Plant about 3 inches deep.

Pole Limas are more productive, and remain tender a long time. Plant in hills 3 feet apart each way, and stake with long poles.

**50. FORDHOOK BUSH LIMA**—The favorite and best variety for the home garden. Plants grow from 15 to 20 inches high, very bushy, and bear abundantly. Pods are produced in clusters of 4 to 8, and are well filled with big plump buttery beans of delicious flavor. Pkt. 10c, ½ lb. 30c, lb. 50c, 2 lbs. 90c, prepaid.—Not prepaid, 5 lbs. \$1.85, 15 lbs. and more at 35c per lb.

**51. BURPEE'S IMPROVED BUSH LIMA**—The plants grow 18 to 20 inches in height, and develop into magnificent bushes from 2 to 3 feet in diameter and are immense yielders. The pods are large and well filled with luscious beans of large size. Pkt. 10c, ½ lb. 30c, lb. 50c, 2 lbs. 90c, prepaid.—Not prepaid, 5 lbs. \$1.85, 15 lbs. and more at 35c per lb.

**52. HENDERSON'S BUSH LIMA**—The earliest Bush Lima, especially valuable because it is adaptable to all latitudes, and a sure cropper. It resists drought well, and is ready for use in about 60 days. It forms a bush about 18 inches high, and matures its first beans earlier than the pole Limas. The beans are small, flat and tender, and of delicious flavor. Pkt. 10c, ½ lb. 25c, lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and more at 25c per lb.

OUR STANDARD VARIETIES OF GARDEN AND FLOWER SEEDS ARE  
SOLD BY ALL LEADING DEALERS IN THE NORTHWEST.

## ASPARAGUS

One ounce of seed to 50 feet drill; five pounds to the acre. Sow in drills one foot apart, and one inch deep. During the summer keep the soil mellow, thinning plants to 4 inches apart. The following spring transplant them into permanent beds.

Leaflet on Asparagus Culture, free upon application.

**5. WASHINGTON ASPARAGUS**—A fine variety, that is uniformly rust resistant and produces large straight shoots. The tips are tight and firm, and do not begin to branch until well out of the ground. It is of rapid growth, a heavy yielder, and comes nearer to being rustproof than any other variety. It is deep green in color, with heavy overtone, of handsome appearance when bunched, and the best of all for growing for the market, always bringing the highest price. Seed, price: Pkt. 10c, oz. 25c, ¼ lb. 85c.

One Year Roots: 25 for 65c, 50 for \$1.25, 100 for \$2.00, post-paid.

**6. ★EARLY GIANT ARGENTEUIL**—Earliest large green sort, of superb flavor. Used extensively by gardeners. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.00, prepaid.

Asparagus Roots, Horse-radish Roots, Onion, Cabbage and other Vegetable Plants described and priced on page 30.



Washington Asparagus.

# BUSH BEANS—Wax Podded

One pound of seed will plant 50 feet of row, 60 lbs. per acre, in drills.

**CULTURE**—Beans should be sown after May 15th, in this section, when the ground is thoroughly warm. Make successive sowings, 2 weeks apart, for a supply of beans all summer. Sow in drills 15 inches apart, 2 inches deep, dropping the beans 3 inches apart in the rows, eyes down and cover. Cultivate often.

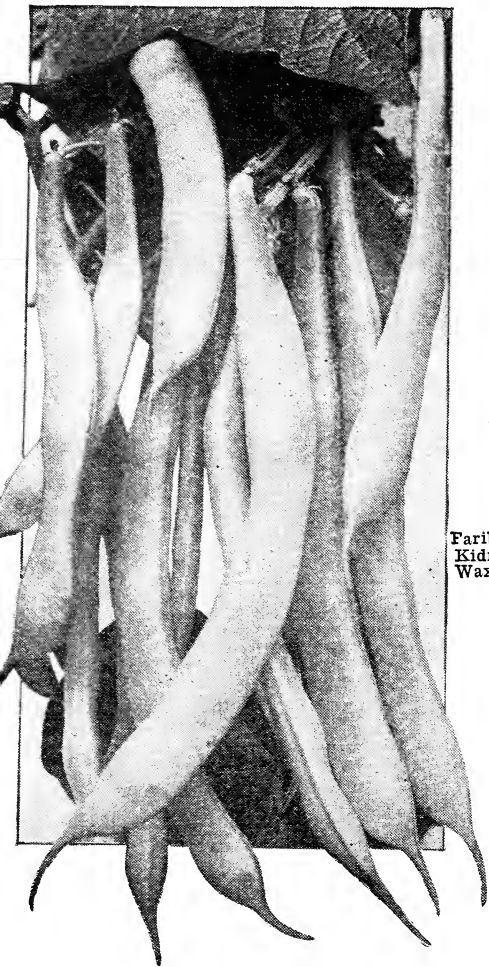
9. **ROUND POD BRITTLE WAX**—Exceptional quality, perfectly round pods 5 to 6 inches long. Very vigorous plants—surprisingly productive and entirely stringless. Seeds are almost white with black eye. Makes an excellent winter shell Bean, as well as for spring market or canning. Ready for the table in 45 days. Pkt. 10c, ½ lb. 30c, 1 lb. 50c, 2 lbs. 90c, prepaid.—Not prepaid, 5 lbs. \$2.00, 15 lbs. or more, 30c lb.

10. **★FARIBAULT KIDNEY WAX**—The strong plants are of erect bush habit, reach the height of 18 to 20 inches and are immune to blight and rust. The fleshy pods are flattened in form, from six to seven inches in length, ½ inch broad and of lemon yellow color; they are remarkable for their meatiness, brittleness, absolute freedom from strings or tough fibre and fine table quality. Seed is white, with black eye. 2¼ oz. pkt. 10c, ½ lb. 30c, 1 lb. 50c, 2 lbs. 90c, prepaid.—Not prepaid, 5 lbs. \$2.00, 15 lbs. and over, at 30c per lb.

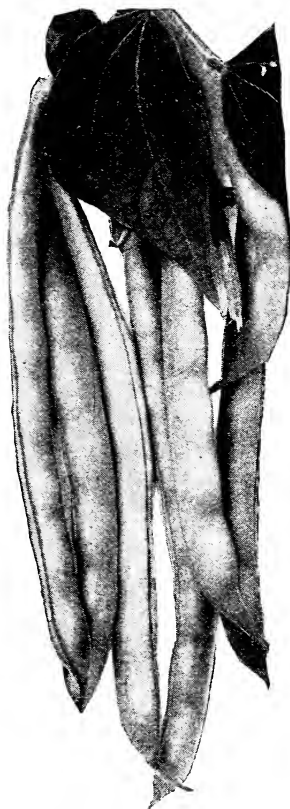
11. **PROLIFIC BLACK WAX OR BUTTER BEAN**—This is no doubt the earliest and one of the most productive of all beans, and is rust proof. Vines medium sized, very vigorous and hardy. Pods of medium length, borne well up from the ground, cylindrical, fleshy; of a clear, creamy white color and remain a long time in condition for use as a snap bean. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and over, at 25c per lb.

12. **BLACK PENCIL POD WAX**—The best quality round pod early wax bean. Of bushy growth and extremely productive. Pods are straight, round, 6 to 7 inches long; thick, absolutely stringless, of fine flavor; color medium yellow. The seed is black. High quality sort for the home garden or market gardener. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and over at 25c per lb.

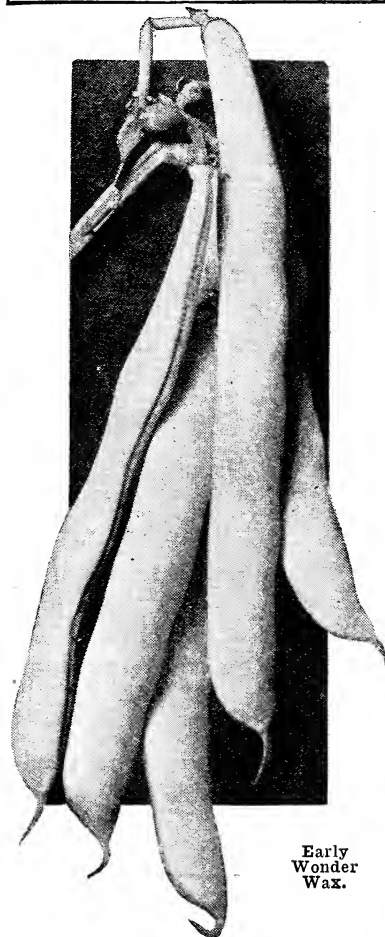
**NOTE**—We offer Beans, Corn, and Peas by weight only. One pound equals approximately one pint, two pounds one quart, and fifteen pounds equal about one peck.



Faribault  
Kidney  
Wax.



Round Pod Brittle Wax.



Early  
Wonder  
Wax.

13. **IMPROVED GOLDEN WAX**—A well known standard variety that is largely planted everywhere. Medium early, of vigorous bushy growth, rust proof. A reliable heavy cropper whether sown in spring, summer or early fall. Pods long, flat, thick and solid; seed is speckled. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and over, at 25c per lb.

14. **DAVIS KIDNEY WAX**—The vine is rustless, very vigorous and productive and bears its pods near the center in clusters. The pods are very long, flat, waxy-white, straight and handsome, and when young are brittle, crisp and tender. Seeds are clear white, excellent for baking and for cooking. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and over, at 25c per lb.

15. **SURECROP STRINGLESS WAX**—A very fine wax podded bush bean, of remarkable vigor and productiveness, free from blight and rust, and very hardy. The pods are rich golden yellow, perfectly stringless at all stages of growth, very brittle, crisp and tender, and of delicious flavor. Seed is black. Surecrop Stringless Wax is a fine variety for dry sections. 2¼ oz. pkt. 10c, ½ lb. 30c, 1 lb. 50c, 2 lbs. 90c, prepaid.—Not prepaid, 5 lbs. \$2.00, 15 lbs. and over, at 30c per lb.

16. **UNRIVALED ROUND POD WAX**—The earliest wax podded bean grown. Creamy yellow wax pods, symmetrical in shape, about six inches long, are thick and meaty, and wonderfully tender. The plant is strong, dwarf and bushy, with large smooth, lustrous green leaves. The pods are produced well above the ground, thus preventing liability to rust and rot. Both plant and pods are exceptionally free from rust and blight. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and more at 25c per lb.

17. **WARDWELL'S KIDNEY WAX**—This variety, maturing a little later than the Golden Wax, yields a large crop of long, flat, nearly straight pods, creamy white in color, which are of good quality and always command a ready sale. Seed is white with dark eye. One of the best and most productive for market gardeners. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and over, at 25c per lb.

19. **EARLY WONDER WAX (Golden Podded)**—Ten days earlier than any other wax bean. It belongs to the flat podded class and grows a strong plant 18 inches high and two feet across. The pods are very large, eight inches in length, entirely stringless, plump and rounded to flat, and almost solid meat, cooking meltingly tender and of superb flavor. Seed is yellow. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and over, at 25c per lb.

# BUSH BEANS—Green Podded

**23. FULL MEASURE** (Round Pod Stringless)—A fine stringless, medium-sized green pod bean of high quality. Pods are straight, about 6 inches long, fleshy and almost round and very tender. A very prolific early sort, producing throughout the season. One of the very best green pod bush beans for the home garden, on account of its earliness, high quality, and prolificacy. Pkt. 10c, ½ lb. 30c, lb. 50c, 2 lbs. 90c, prepaid.—Not prepaid, 5 lbs. \$2.00, 15 lbs. and more at 35c per lb. See color plate page 34.

**24. MASTERPIECE**—A splendid extra heavy bean from England. For forcing and for the early market, as well as for the home garden, it is unequalled. The pods are flat, like those of the Bountiful Stringless Wax, but considerably longer and thinner. They are very dark green in color, and entirely stringless when young. This variety is considered by many better than the Bountiful for flavor, appearance and productiveness. Seed is yellowish green. 2¼ oz. pkt. 10c, ½ lb. 25c, lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid 5 lbs. \$1.75, 15 lbs. at 30c per lb.

**25. BURPEE'S STRINGLESS GREEN POD**—The best all around green bean for the home garden and market. It is early, very prolific and absolutely stringless. The pods are round, deep green in color, straight and broad, with thick meaty flesh that is very tender and of fine flavor. For a succession of crops, plantings should be made at intervals of two weeks until August. Canners grow this variety almost exclusively, because of its fine quality and dependability. Seed is light brown. Pkt. 10c, ½ lb. 30c, lb. 55c, 2 lbs. \$1.00, prepaid.—Not prepaid, 5 lbs. \$2.00, 15 lbs. and more at 30c per lb.

**27. BOUNTIFUL STRINGLESS**—A bountiful yielder, extra early, with large, flat tender pods which are absolutely stringless. An improved Long Green Six Weeks, being earlier, harder and producing many more, better and larger pods. Valuable for the market and home garden. Light yellow seed. Pkt. 10c, ½ lb. 30c, lb. 55c, 2 lbs. \$1.00, prepaid.—Not prepaid, 5 lbs. \$2.00, 15 lbs. and more at 30c per lb.

**30. RED VALENTINE, EXTRA EARLY ROUND POD**—Very hardy and can therefore be sown early; they mature quickly, often being ready to pick in 45 days after sowing. Pods are round, long, fleshy, rich green in color, and when gathered young are practically stringless. It is extensively grown by gardeners. 2¼ oz. pkt. 5c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. and more at 20c per lb.

## HOW TO BEAT THE SEASON FOR EARLINESS

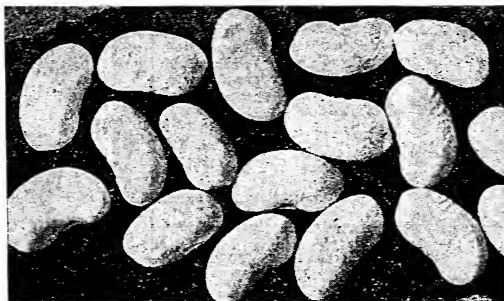
Earliness of tender vegetables may be advanced by starting the seed of such varieties as Beans, Sweet Corn, Cucumbers, Melons and Squash in paper pots and placing them in a weak hotbed. This should be done about two weeks before it would be safe to plant them out in the open. Then transplant when the ground is warm. See page 7 for paper pots.

Extra early Potatoes may be produced by sprouting the seed in advance. Dust the cut tubers with sulphur to prevent evaporation until planting time; 10 to 15 days may be gained.

Order Beans early. Many short-ages this season.



Masterpiece the Largest Green Pod Bean.



Great Northern Bean, the most delicious for baking.



Burpee's Stringless Green Pod.

Inoculate Beans with Nitragin, clean, easy to use; insures big crops. Garden Size, for up to 8 lbs. seed 25c.

## FIELD BEANS

**40. GREAT NORTHERN**—The most delicious baking bean grown. A wonderful yielder and one of the most profitable beans that can be raised. Great Northern is a much better bean for baking and cooking than any Navy bean, as it cooks in two-thirds of the time, and is of much better flavor. Beans are larger and softer than common Navy beans. If you have once used Great Northern beans you will never go back to the common sorts. Pkt. 10c, ½ lb. 20c, lb. 30c, 2 lbs. 50c, prepaid.—Not prepaid, 5 lbs. 90c, 15 lbs. at 16c per lb.

**41. ROBUST NAVY**—Plants are of decidedly robust growth, developing strong roots after setting pods. They are later in forming pods than common Navy beans, but grow more rapidly and ripen quickly. Beans are clear white, a trifle smaller than the Navy bean. This variety is especially suited to heavy soil. 2¼ oz. pkt. 5c, ½ lb. 15c, lb. 25c, 2 lbs. 45c, prepaid. Not prepaid, 5 lbs. 80c, 15 lbs. and more at 14c per lb.

## POLE OR RUNNER BEANS

One pound will plant about 50 hills.

Pole beans will bear for a much longer season than bush beans, are more productive and the beans remain tender for a long time. They are of delicious flavor.

Plant about the middle of May, or later, in hills 3 feet apart each way, sowing 4 to 6 beans to a hill. Stake with poles 7 feet high, and pinch back the tops of the plants when they reach the tops.

**60. OLD HOMESTEAD OR KENTUCKY WONDER**—The favorite pole bean, very productive and early. Pods are 7 to 9 inches long, fleshy, tender, and stringless when young. Seed is brown. If kept picked, the vines will bear all summer. 2¼ oz. pkt. 10c, ½ lb. 25c, lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and more at 25c per lb.

**61. SCARLET RUNNER**—A shell bean, similar to Limas, that is both useful and ornamental. with bright scarlet flowers, which are followed by long straight pods, that are fleshy and tender when young, and of delicious flavor. A fine sort for covering fences, etc. 2¼ oz. pkt. 10c, ½ lb. 25c, lb. 40c, 2 lbs. 75c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. and more at 20c per lb.

I have been gardening at Inver Grove for the past 40 years, and have never found anything to equal Nok-Em-Kold for controlling insects of all kinds on my vegetables. It not only keeps the bugs away, but helps the growth of the plants, and I would not consider being without Nok-Em-Kold. I use about 100 lbs. or more each season. A. M. Krech, So. St. Paul, Minn.



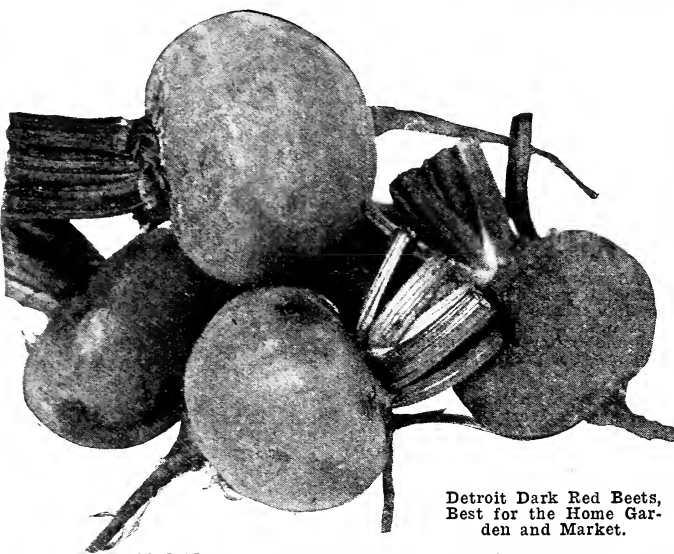
## BEETS

Sow 1 oz. to 50 ft. of drill—5 lbs. per acre.

The soil for beets should be rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; continue for a succession as late as the middle of July; when the plants are large enough, thin out to stand six inches apart in rows.

For the home garden, Early Winesap is the most tender early beet; Detroit Dark Red and Crosby's Egyptian are the best main crop sorts. Swiss Chard provides greens of high quality earlier than any spinach.

**83. ★EXTRA EARLY WINESAP**—This variety is unequalled for family use or for market gardeners. Its remarkable uniform type, its beautiful dark red color, and its tender and delicious flavor, makes Winesap one of the best for all around use. For earliness, good shape, absence of white ring, we consider it one of the best sorts introduced in a long time. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, 2 lbs. for \$2.50, prepaid. See page 33.



Detroit Dark Red Beets,  
Best for the Home Gar-  
den and Market.

**84. ★EARLY WONDER**—An early variety, which matures very rapidly and is fine for the home garden, market or canning. The beets are nearly globe-shaped, with small tops and a small tap root. The flesh is dark red in color, and of superior quality. Pkt. 5c, oz. 15c, ¼ lb. 40c, 1 lb. \$1.25, 2 lbs. for \$2.00, prepaid. See inside front cover.

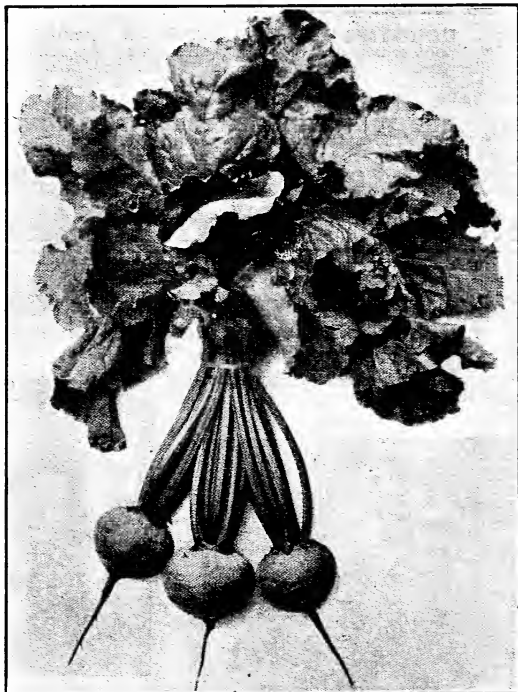
**85. ★DETROIT DARK RED**—This is the standard deep red turnip beet, grown everywhere not only by market gardeners and canners, but also by home gardeners. It matures early, and on account of the small tops, the rows may be planted close together. Leaf stems and veins are dark red, blade is green; the root is globular and very smooth; color dark red. The flesh is deep vermilion red, zoned with darker red, very crisp, tender and sweet. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, 2 lbs. for \$2.00, prepaid.

**86. ★CROSBY'S IMPROVED EGYPTIAN**—This variety is sown where an extra early beet is wanted for forcing in frames, as well as for first sowing outside. Ready for use sooner than any other kind. The roots are of even shape; the flesh is bright red with zones of a darker shade; fine quality; sweet and tender. A standard market gardener's variety, it is excellent for bunching. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, 2 lbs. for \$2.00, prepaid.

**89. ★EARLY ECLIPSE**—Perfectly smooth and round; skin and flesh intense red. This variety is one of the first to be ready for the table. It does not grow to large size, but is desirable for its earliness and sweet, tender quality. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, 2 lbs. for \$1.75, prepaid.

I have ordered all of my garden seed from your company for six successive years. Each year I have wanted to tell you how pleased I always am with the seed, and to thank you for the extra packages you sent with each order.

Mrs. H. A. Vollbrecht, Rosendale, Wis.



Early Wonder Beet.

## SPINACH BEET OR SWISS CHARD

Swiss Chard is the ideal vegetable for the small garden, for it produces more food than any other vegetable, in proportion to the space required. The leaves are used for greens, and are of much milder flavor, and more delicate texture, than spinach. It will produce a constant crop from early summer until winter, as it may be cut repeatedly. The leaves grow very large, with broad flat stems, which may be cooked like asparagus. Swiss Chard may also be sown as a catch crop, after radishes or early peas. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. Cultivate carefully and keep clear of weeds.

**97. ★SWISS CHARD OR SILVER BEET**—The standard sort grown for greens, with large leaves and thick midrib of excellent flavor. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, 2 lbs. for \$2.00, prepaid.

**98. ★LUCULLUS**—A new moss curled sort, with enormous leaves of tender quality and good flavor. Better in flavor than spinach, and much easier to prepare on account of its heavy foliage. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, 2 lbs. for \$2.00, prepaid.

## ORIENTAL VEGETABLES

Everybody will be interested in these exceptional Oriental Vegetables and space should be reserved for them in the garden.

**90. ★CUCUMBER, CHINA LONG**—Average size, 20 inches long—perfectly straight; dark green color, white flesh. Fine flavor. Pkt. 10c, oz. 50c, prepaid.

**91. ★JAPANESE MIKADO RADISH**—A pure white radish, grows one to two feet long. Flesh solid, fine mild flavor. Excellent for boiling with meat, or in vegetable and oyster stews. Sow in July. Pkt. 10c, oz. 20c, ¼ lb. 50c, prepaid.

**92. ★SENJU-NEBUKA GREEN ONION**—Produces a long blanched white root stem 12 inches long, one inch thick. Very hardy. Fine grained and of sweet, mild flavor. Pkt. 10c, oz. 50c, prepaid.

**93. ★JAPANESE KOMATSUNA SPINACH**—Quick growing tender spinach greens. Very healthful. Produces leaves 10-12 inches high by 2-3 inches wide. Is at its best when 4-5 inches tall. Will grow in any soil. Pkt. 10c, oz. 20c, ¼ lb. 60c, prepaid.

**158. ★CHINESE CELERY CABBAGE, PE TSAI**—A salad vegetable; long narrow heads tightly folded. Crisp white leaves, mild flavor. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, prepaid.

**SPECIAL**—One packet each above five varieties Oriental Vegetables for 40c, prepaid.



Swiss Chard.

# MANGELS and SUGAR BEETS

An ounce will sow 100 feet of drill, 5 lbs. will sow an acre  
Mangels are of high feeding value for all livestock. They provide a balanced ration for horses, sheep, and cattle, when fed with grain. The roots should be chopped, green tops and all.  
As a poultry feed, mangels keep hens healthy, and stimulate the production of eggs. Feed at the rate of 25 lbs. to 100 hens per day, with grain or dry roughage.  
Mangels are a surer crop than any other root and yield bigger crops than turnips, of greater feeding value. Often 15 to 20 tons per acre.  
**CULTURE**—Sow at corn planting time—in drills 2 to 2½ feet apart, on rich moist land, the seed should be planted an inch deep; on dry and sandy soil, it must be planted 1¼ to 1½ inches deep. Thin out the roots to stand 8 inches apart in the rows. Mangels should have a fertilizer containing potash.

105. **MINNESOTA GOLDEN TANKARD**—The best yellow mangel in cultivation. Flesh is firm, solid, rich golden yellow in color, and contains more sugar than the red mangels. Roots are of cylindrical shape, with small necks, and are easy to harvest. Under ordinary cultivation, the yield will be from 30 to 40 tons per acre.
106. **MAMMOTH LONG RED**—This is considered the best long red mangel, and is of massive size and shape, fine texture and high feeding value. The roots grow well above the ground and are easily harvested. An enormous yielder, best adapted for deep soil.
107. **GIANT RED ECKENDORF**—Roots are smooth, of cylindrical shape, weighing 15 to 20 lbs. each. Flesh is white and firm, with a large amount of nutritive value.
108. **GIANT SLUDSTRUP**—Roots are long, reddish yellow in color, growing more than half above the ground. This variety is considered the best by Danish growers, surpassing all others in feeding value, yield, and weight.
117. **GIANT HALF SUGAR**—This strain is as easily grown, and is just as productive as a crop of mangels, with a much higher sugar content. Roots grow partly out of the ground and are easily harvested; they are large, firm, smooth, clean, and of oval shape. Skin is light bronze green above and white below the ground; flesh is white, crisp, sweet, and more succulent than that of ordinary beets.
115. **KLEIN WANZLEBEN SUGAR**—The best and most widely grown of any sugar beet. Produces 14 to 18 tons per acre, and is very rich in sugar content. It is not only the best for sugar making, but also of great value for feeding cattle and poultry.

Prices on all Mangels: Oz. 10c, ¼ lb. 20c, 1b. 70c, prepaid.—Not prepaid, 5 lbs. at 60c per lb., 10 lbs. at 55c per lb. For prices on larger quantities, write for our Market Gardeners' Price List.

## GATOR HIDE MULCH PAPER

THE MIRACLE OF THE AGE



The newest idea in truck and general farming is mulch paper. It is designed to stimulate all crop production by maintaining a control on moisture, eliminating interrow weeding and speeding the weeding within the row, and elimination of all cultivation.

In many crops further advantages through the use of mulch paper: An increased germination contributing to a greater yield per acre, a marked hastening of maturity, and a superior crop product in point of size, quality, and cleanliness. The idea has been tried out on all classes of crops by the United States Department of Agriculture and other experimental groups and has been found to be so greatly beneficial that the use of mulch paper from now on will be greatly stimulated.

Gator Hide Mulch Paper is the best of its kind and is produced by the International Paper Co. which has all the facilities and resources for developing the finest quality. It is filled with asphalt which penetrates every fibre making it water proof, and its black surface aids in absorbing heat which is so necessary for plant growth.

We offer Type A Mulch Paper designed primarily for field culture of annual crops in rolls of 300 yds., 18 and 36 in. wide; and Type B for all purposes 150 yds. to the roll, 18 and 36 in. wide. We suggest that you try both widths in either type to determine which is best adapted for your conditions. A booklet giving complete instructions on how to use this paper will be sent with each order and additional information will be forwarded promptly upon request.

Prices: **TYPE A**—Light weight (only for field culture of annual crops).

Rolls 18 in. wide, 300 yds. to roll, weight 27 lbs., \$3.50.

Rolls 36 in. wide, 300 yds. to roll, weight 53 lbs., \$7.00.

**TYPE B**—Heavy weight (for all purposes).

Rolls 18 in. wide, 150 yds. to roll, weight 30 lbs., \$3.50. 60 lineal ft., 18 in. wide, 50c.

Rolls 36 in. wide, 150 yds. to roll, weight 60 lbs., \$7.00. 3 rolls for \$1.25, prepaid.

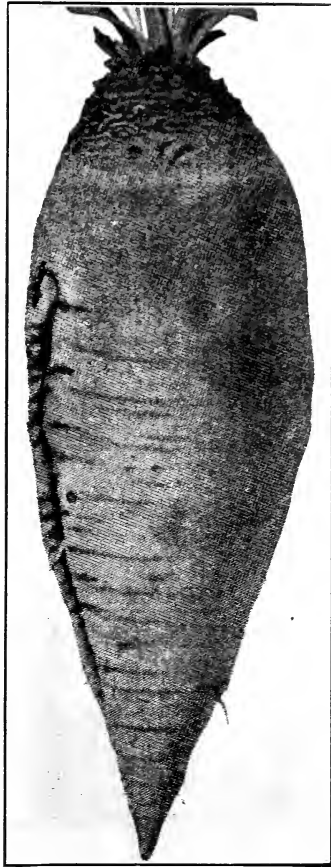
## Locked Plant Bands and Paper Pots

These are used by progressive gardeners and commercial growers everywhere. Transplant your seedlings to these Locked Plant Bands, and they'll never know they've been disturbed. Fit them into flats until ready to set out, then set the whole band or pot into the ground. Roots are not exposed to air, and there is no setback. Bands make a good guard against cutworms.

Price of Bands, postpaid: 2x2x2½ inches, the most popular size, 60c per 100, \$1.25 per 250; 3x3x3 inches, for larger plants, 75c per 100, \$1.50 per 250.

Paper Pots—Same as plant bands, with folding bottoms. They can be used as extra deep bands, by leaving the bottom unfolded.

Price of Paper Pots, postpaid: 2x2x2½ inches, 75c per 100, \$1.50 per 250. 3x3x3 inches 85c per 100, \$2.00 per 250.



Mammoth Long Red Mangel.

**SPECIAL TRIAL OFFER**  
Every gardener should try mulch paper this season—most astounding and interesting results are possible—trial roll 60 lineal feet—18 inches wide, 50c. 3 rolls, enough for worth while results, \$1.25, prepaid.



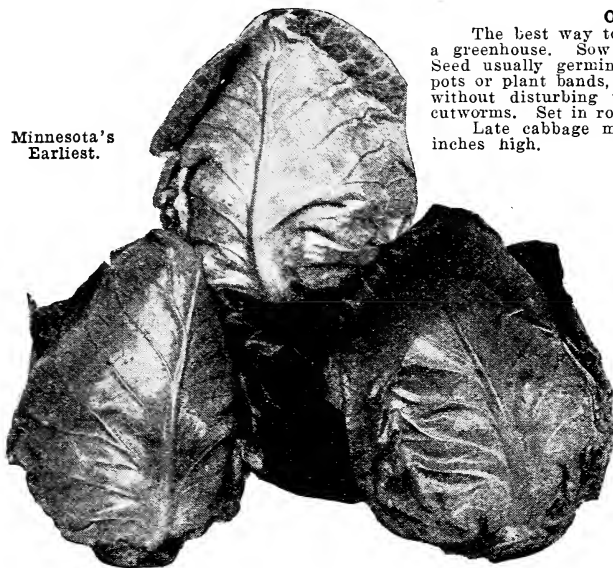
Plants in Plant Bands are easily handled.



Giant Red Eckendorf.

# CABBAGE

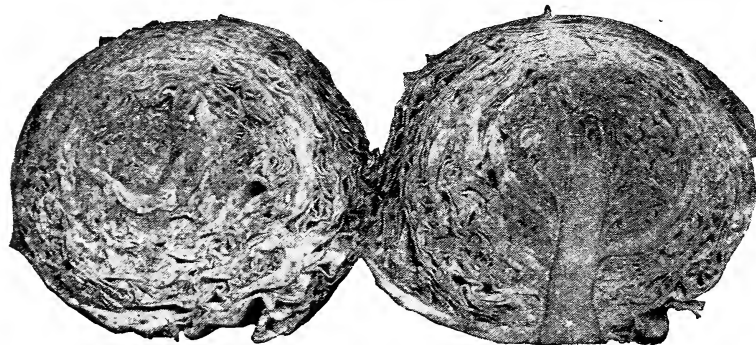
Minnesota's  
Earliest.



## "Yellows" Resistant Cabbage

- 137. WISCONSIN "ALL SEASONS"**—A selected strain of All Seasons that has been bred up to resist "yellows," a disease that ravaged the cabbage crops in Wisconsin. Large crops are now being produced from this seed, on yellows infected soil, where formerly all cabbage failed. No claim is made of freedom from clubfoot, stem rot, or black rot. For those diseases, the seed should be treated with Dippdust. This is the best kraut cabbage, producing large heads, nearly round, solid, and of fine texture. The leaves are small ribbed. It is wilt resistant, sure to head, and withstands hot dry weather exceptionally well. Pkt. 15c, oz. 50c,  $\frac{1}{4}$  lb. \$1.50, prepaid.

For Cabbage plants, see page 30.



Danish Roundhead.

- 131. F. S. & N. CO'S ALLHEAD or SURPRISE**—The earliest of the large flatheaded cabbages. The deep, flat heads are remarkably uniform in shape, size and color, with finer ribs than other flat kinds; are very tender; the quality is excellent. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50, prepaid.
- 133. EARLY DWARF FLAT DUTCH**—An excellent second early variety, producing fine, large heads. Highly valued for its good quality and ability to resist heat. Head solid, tender, and fine grained. Grows compact and upright with few leaves. A dependable header and good keeper. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.50, prepaid.
- 134. ALL SEASONS**—Heads very large, round, often nearly spherical, but usually somewhat flattened; are very solid and of best quality, keeping as well as winter sorts. Plants are very vigorous and sure to head. Remarkable for ability to stand hot sun and dry weather. One of the very best sorts for general cultivation. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.50, prepaid.
- 136. ★EARLY COPENHAGEN MARKET**—A splendid variety, especially popular with market gardeners. It is the finest large, round-headed, early cabbage in cultivation. Its most desirable characteristic is that all heads mature at the same time, enabling the grower to harvest the entire crop at the first cutting. The quality is especially fine and sweet. It matures as early as Wakefield, and yields more to the acre, in weight. Liberal pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.10, lb. \$4.00, prepaid.

One ounce of seed will produce about 1,500 plants.

The best way to start cabbage, especially the early sorts, is in hotbeds, flats, or in a greenhouse. Sow the seed  $\frac{3}{4}$  inches deep, in carefully prepared rich garden soil. Seed usually germinates in 5 to 10 days. When ready to transplant, set into paper pots or plant bands, in flats, until time to set outdoors. The plants can then be set out without disturbing the roots, and the paper bands form the best protection against cutworms. Set in rows 2 feet apart, 20 inches apart in the rows.

Late cabbage may be sown in the open, in rows, and transplanted when 4 to 6 inches high.

To prevent maggots at the root, in the small garden, put a circular piece of building paper around each plant. The fly cannot then deposit eggs close to the stems of the plants. A spray of carbolic acid solution, 1 to 30, once a week for several weeks after the plants are set out, helps to prevent maggots.

Cabbage worms may be controlled with Evergreen, Slug Shot, Garden Guard, Nok-Em-Kold. See page 83 for insecticides.

Most cabbage diseases, club root, black rot, etc., are caused by growing cabbage in infected soil. Crop rotation and liming the soil, are the best preventives. The soil can be sterilized, and a certain immunity to disease established, by treating both seed and soil, especially when large quantities are sown, with Semesan. This cannot injure the seed, and will increase the yield enormously. Simply put the seed into a Mason jar, add a small quantity of Semesan (1 teaspoonful to a quart of seed) and shake for 3 minutes. Plant at once, or store until needed. Semesan will be found listed on page 50.

Large cabbage growers write for our Market Gardeners' Price List.

## Early Varieties

- 120. MINNESOTA'S EARLIEST**—The earliest of the early cabbages, and an extra select strain of the Jersey Wakefield type. It produces pointed heads of good size and fine quality, very hard and firm, just a week ahead of the Jersey Wakefield. This is an excellent variety to grow in the home garden for summer use, and most profitable for the market. It is especially suitable for growing in the North, where the seasons are too short to mature other varieties. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00, prepaid.

- 121. ★EARLY JERSEY WAKEFIELD**—The best first early, oblong sort. Heads are conical, very hard and solid, and of excellent quality. Most gardeners depend upon it for the bulk of their extra early crop, and its hardness to resist cold and other unfavorable conditions insures the most satisfactory results. Selected seed. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.50, prepaid.

- 122. LARGE OR CHARLESTON WAKEFIELD**—Originating from the Early Jersey Wakefield, this variety has a much larger head than its parent, is of the conical shape, but from ten days to two weeks later in maturing. It is exceedingly hardy, a vigorous grower, producing hard solid heads which are crisp and tender. It is deservedly a popular sort with market gardeners and shippers to follow Jersey Wakefield. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.50, prepaid.

- 123. EARLY WINNINGSTADT**—The heads are of about the same size as those of Jersey Wakefield, but more sharply pointed in form, and the hardest of any cabbage grown. It matures right after Wakefield, and is one of the very best summer cabbages. Because of the firm solid heads produced, it is often planted in summer, for winter use or for making sauerkraut. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.50, prepaid.

- 126. GLORY OF ENKHOUSEN**—A very early cabbage, producing large ball-shaped heads, double the size of the Jersey Wakefield, which are extremely solid, fine ribbed, exceedingly tender and of the finest flavor. It keeps in fine condition for a long time. The plants are very dwarf and compact, allowing close planting. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50, prepaid.



Glory of Enkhousen.

# CABBAGE

**138. EXTRA EARLY GOLDEN ACRE**—This is just what the name implies—a real profit maker. It is an extra early forcing strain, has the round, hard head of the Copenhagen Market, yet seven to eight days earlier and the ideal cabbage for early market. Texture is very fine and quality excellent. Heads average 9 inches in diameter, grow close to the ground and ripen uniformly.

Because of its uniform size and habit of growth, Golden Acre can be planted more closely than most cabbages, and is therefore more economical to grow. It will stand in the field for a month or more without bursting, and can be shipped long distances without showing signs of wilting. Pkt. 15c, oz. 50c, ¼ lb. \$1.75, lb. \$5.00, prepaid.

## Late Varieties

**140. \*DANISH BALLHEAD, TRUE HOLLANDER OR AMAGER**—Medium stem—Danish grown, and a great favorite with all who have grown it. The heads, which are round, very solid and compact, are of medium size, averaging about 8 lbs.; in color they are entirely distinct, being a fine white; they never burst and keep as solid and perfect when taken up in the spring as when put away in the fall. This cabbage is of the finest quality, crisp, tender and sweet in flavor. It grows well on almost all soils and under most conditions, withstanding cold, dry and hot weather. It is without question the most popular winter cabbage, and is grown extensively in the cabbage sections of the Northwest. Pkt. 10c, oz. 25c, ¼ lb. 80c, lb. \$2.85, prepaid.

**141. DANISH ROUNDHEAD**—An earlier short stemmed strain of the famous Danish Ballhead. In this strain we have very large, solid heads on short stems, having the same keeping quality as the original strain of Danish Ballhead. It is 10 days to two weeks earlier and produces as large a yield as any of the Danish cabbages. Especially valuable for high, dry land, producing good sized heads. For shipping in the late fall or winter there is no finer cabbage than this strain. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

**144. \*PREMIUM LATE FLAT DUTCH**—A very fine strain of Late Flat Dutch which we can recommend as a sure heading variety, producing very large, solid heads, weighing 15 to 20 pounds each, of dark green color and excellent flavor; it is a good keeper. One of the best fall shipping cabbages, and unsurpassed for table use. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.

## Savoy Cabbage

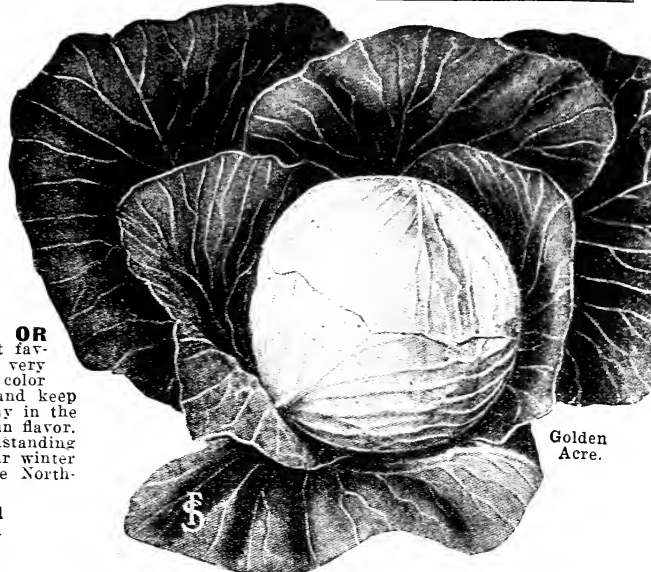
Savoy Cabbage differs from other cabbage both in appearance and flavor. The leaves are deep green, much crumpled and wrinkled, and very tender. The flavor is rich and delicious, much milder, with less of the "cabbage" taste than the common sorts. Savoy is the best cabbage for cooking.

**156. LATE DRUMHEAD SAVOY**—Quality and flavor of this Savoy Cabbage the best ever, especially when allowed to be touched by frost. It is sweet, delicate, with a rich delicious flavor. Pkt. 10c, oz. 25c, ¼ lb. 90c, lb. \$3.00, prepaid.

*I am a market gardener, and have been using your seeds for a long time. I always have the best garden in this part of the country. We have the earliest vegetables in spring and the largest and best in fall. We had over 2,000 fine ripe Watermelons and Muskmelons from five packets of seed. We sold \$45.00 worth of Late Cabbage at two cents per lb. from one packet of seed, and had four large wagon loads of Stock Carrots, some of them weighing nine and ten lbs. each. Cauliflower, Tomatoes, Corn and everything else was the same—could not be better.*

E. F. Bliss, Akeley, Minn.

Danish Ballhead  
Cabbage.  
The True Hollander  
or Amager.

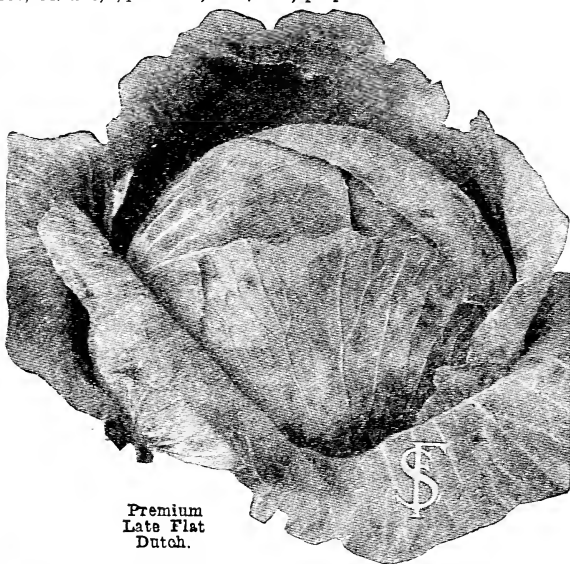


Golden  
Acre.

## Red Cabbage

**151. \*F. S. & N. CO'S DANISH STONEHEAD**—One of the best strains ever introduced. The plants are strong and compact in growth, producing dark red, round, solid heads of large size, equally as hard and handsome in appearance as our famous Danish Ballhead. A valuable sort for market or pickling. Pkt. 10c, oz. 35c, ¼ lb. 75c, lb. \$2.75, prepaid.

**152. ERFURT EXTRA EARLY**—This is the earliest of all red cabbages. The heads are not very large, but of excellent quality, very hard and keep well; the color is blood-red. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.



Premium  
Late Flat  
Dutch.

## Frostproof Cabbage Plants.

Extra hardy, Southern field grown during the winter. Can be set out 3 or 4 weeks ahead of home grown plants and mature that much earlier. Even though the plants appear wilted or weatherbeaten upon arrival, in a few days they recover completely, and soon are far ahead of ordinary hotbed plants. Cheap, profitable, and sure to grow. We offer the three best sorts, in bundles of 100 of a kind only. If you cannot use 100 plants, get your neighbor to order with you.

Early Jersey Wakefield.	} 50c per 100,
Flat Dutch.	
Copenhagen Market.	
	} \$1.00 per 200,
	} \$3.00 per 1,000,

All Postpaid.

For other Vegetable Plants—See page 30.

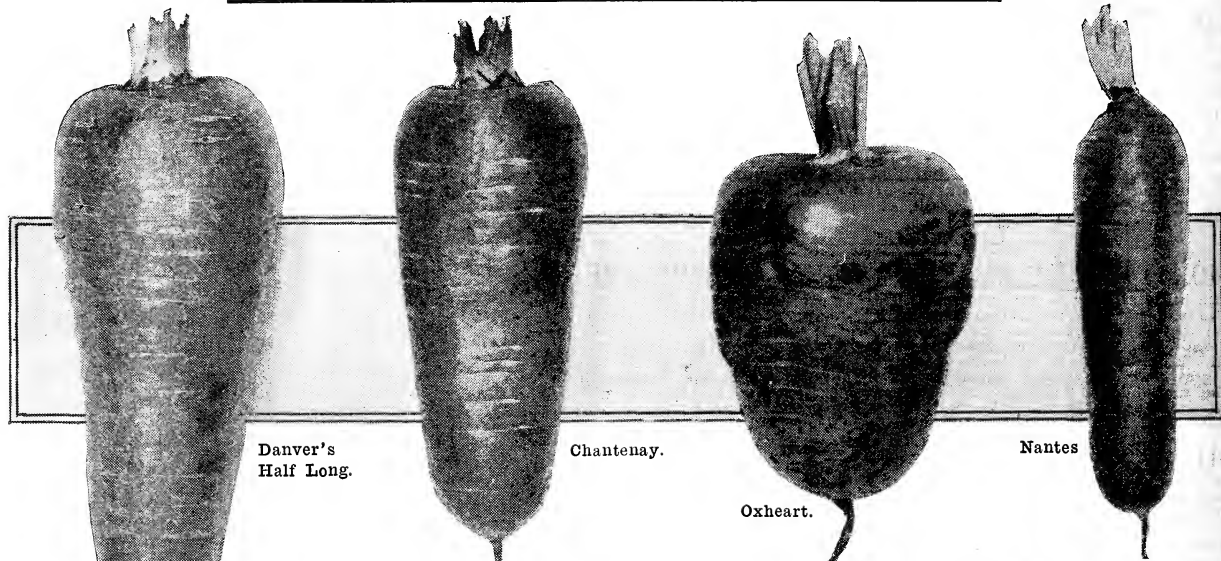
CHINESE CELERY CABBAGE—See page 12.

BRUSSELS SPROUTS—See page 15.





# CARROTS—Table Varieties



Danver's  
Half Long.

Chantenay.

Oxheart.

Nantes

One ounce of seed will sow 100 feet of drill, three to four pounds required per acre.

The carrot is one of the most nutritious and healthful roots, and should be more generally used for the table as well as for stock feeding purposes. Will grow in any soil; sandy deep loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart, covering about one-half inch. The plants should be thinned to two, three, or even four inches apart in rows.

**170. F. S. & N. CO'S SUPERIOR MARKET**—The roots grow about 6 inches long, broad at the top, and narrow slightly to a blunt end. They are bright orange in color, and of tender quality, being practically coreless. This variety is ready for use 65 days from the date of sowing. One of the best for home gardens. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50, prepaid.

**171. DANVER'S HALF LONG**—This is considered the best variety for general crop; it is a first class carrot for any kind of soil. Roots are of rich dark orange color, grow to a good large size, tapering uniformly to a blunt point, and are smooth and handsome. Easily harvested and a good keeper. This carrot is excellent for table use, and is also grown for feeding purposes. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.25, prepaid.

**172. NANTES CORELESS HALF LONG**—One of the best carrots ever offered. Flesh is deep orange, very sweet and tender, and almost entirely coreless. Roots grow about 6 inches long, cylindrical and smooth, and are always of the finest quality. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50, prepaid.

**173. EARLIEST FRENCH FORCING**—The earliest small round variety, very much used for early forcing, color reddish orange; it bunches very nicely and is used largely for market as well as for the kitchen garden. Of very tender quality, without core. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.35, prepaid.

Please send me your catalog. I have been a customer of yours for several years. Your seeds are the best for this climate.

Mrs. Mary Mitts, Sundance, Wyo.

**174. \*GUERANDE OR OXHEART**—Tops small for the size of the roots, which are comparatively short, terminating abruptly in a small tap root. Flesh bright orange, fine grained and sweet. Especially desirable for soil too hard and stiff for longer rooted sorts. The roots are excellent for table use, and when mature are equally good for feeding stock. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00, prepaid.

**175. SELECTED CHANTENAY**—An early main crop carrot and a first class table variety that can be used 60 days after sowing. Stump rooted, about five to six inches long, and broad-shouldered. The flesh is of rich orange color, and of the finest quality; is medium early, with small tops. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25, prepaid.

**176. EARLY SCARLET HORN**—(Stump rooted.) Popular for forcing and early garden use. Roots are of medium size; flesh deep orange, fine grained; of agreeable sweet flavor; small top. Fine for bunching for the market. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25, prepaid.

**178. IMPROVED LONG ORANGE**—(Point rooted.) The standard late variety and an excellent keeper, also profitable for feeding livestock; very handsome and uniform in shape; deep orange color, good flavor; yields very heavily. Requires a deep soil; plants should stand 8 inches apart in 18 inch drills for roots to attain full size. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.00, prepaid.

## Field or Stock Carrots

Carrots are of great feeding value for all live stock, and for poultry. Carrots act as a tonic and help keep the digestive organs in healthy condition. If cattle are fed with carrots regularly, not only will there be steady gain in weight, but the flow of milk is greatly increased and enriched. Carrots are especially good for horses, and may be fed with oats. The roots should be chopped or sliced, and fed with other fodder.

**185. VICTORIA**—The largest and heaviest cropping yellow carrot in cultivation. The roots are very symmetrical, and of excellent quality, possessing high feeding properties. It is especially adapted for rich land, although a heavy cropper on all soils. It is easily harvested, as the roots grow largely above the ground. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. 90c, prepaid.—Not prepaid, 5 lbs. \$3.25.

**186. MASTODON**—The roots are half long, smooth, very heavy at the shoulder but tapering regularly to a point; color, light green at the crown, white below; flesh white, solid crisp, and of excellent quality. A heavy yielding, easily harvested, white carrot, that is the best of this class. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 90c, prepaid.—Not prepaid, 5 lbs. \$3.25.

## Corn Salad

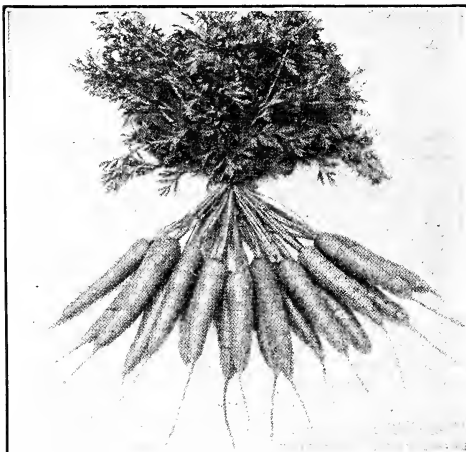
**291. LARGE LEAVED**—Hardy plants for fall, winter, and spring use. Large heads of tender, edible leaves, that can be used like lettuce in salads, or cooked like spinach. Ready for use in 4 to 6 weeks. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50, prepaid.

## Cress or Pepper Grass

**295. FINE CURLED**—Crisp pungent leaves, finely cut and curled, dwarf and compact. Used mostly for garnishing and as a condiment. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, prepaid.

I ordered my seeds from you last year and I am so satisfied with them that I am giving you another order. Everybody said I had the nicest garden around here and wanted to know where I bought my seeds.

Mrs. J. B. Johnson, Mora, Minn.

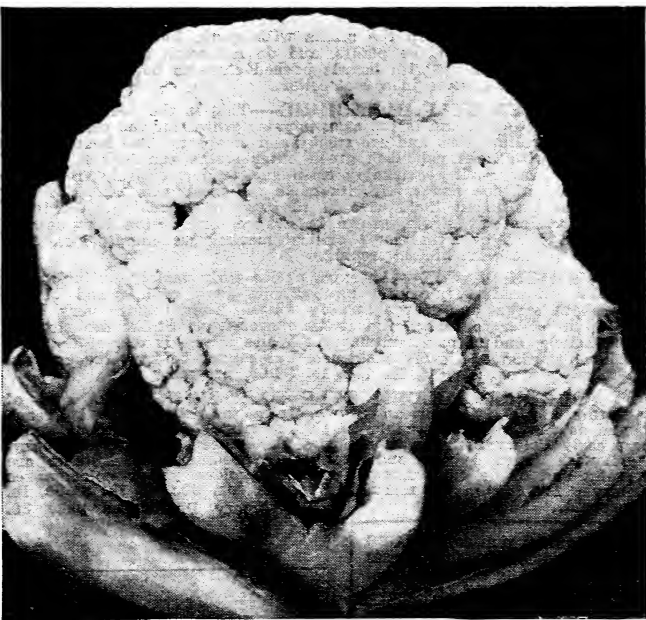


Superior Market.

# CAULIFLOWER

One ounce of seed will furnish 1,000 to 1,500 plants.

Cauliflower is one of our best and most delicious vegetables, and is as easily grown as cabbage requiring about the same care. Sow the seed in flats or hotbeds, in a rich soil composed of equal parts of garden soil, leaf mould and sand. Seed may be started in February or March. Transplant to other flats, or to paper pots, when the plants are 2 or 3 inches high. Set outdoors as soon as weather permits, 2 to 3 feet apart each way. The soil should be very rich, containing plenty of humus matter and moisture. While the heads are forming, water freely, and apply liquid manure or light dressing of nitrate of soda and potash. When the heads have formed and are hard, tie up the outer leaves to blanch the heads. Cauliflower needs cool, rather damp weather and will not form good heads in a dry, hot season or in dry sections.



Extra Early Snowball Cauliflower.

## CHICORY

**285. LARGE ROOTED**—Grown for the roots which are taken up and dried, and when required for use, are roasted and ground like coffee. In spring the leaves make a good salad, and are used extensively for this purpose. Pkt. 10c, oz. 20c, ¼ lb. 60c, prepaid.

**286. \*WITLOF-CHICORY OR FRENCH ENDIVE**—The famous winter salad so popular in the best hotels and restaurants. The seed is sown in spring and the parsnip-like roots stored in a cool room until wanted for growing in winter. Allow the plants to grow until November, then take up roots and trim off all leaves to about 1½ inches from the neck; cut off lower end of root so the whole plant will be not more than 10 inches long. When wanted for use, plant in a trench 16 inches deep, in warm cellar, so roots are covered by 8 inches of soil. In a month the head will be ready for use. The blanched head is the edible portion and is eaten as a salad, with French dressing, or cooked like ordinary endive or celery. Pkt. 10c, oz. 20c, ¼ lb. 60c, prepaid.

## 661. CHIVES

An onion-like plant, which is highly valued for use as a salad, and the green stems afford a very pleasant onion flavor for soups. The plant also makes an excellent ornamental garden bed edging which may frequently be cut, and a new growth of leaves appears soon after each cutting. The seed may be sown in rows in the garden or in boxes and transplanted. After 2 or 3 years the plants may be taken up, divided and reset. Pkt. 10c, ¼ oz. 25c, oz. 90c, prepaid.

For Cauliflower and Chives Plants—See Page 30.

## ROTATING GARDEN CROPS

Crop rotation prevents and checks plant diseases, such as wilt, rot, mildew, and smut, which breed in the soil and live from year to year. Do not grow the same kind of crop on the same soil two years in succession. Clean the ground well. Burn all brush, weeds, and infected plants. Plow or spade the soil deeply, preferably in fall. Apply lime if the soil is acid.

Peas and beans, being legumes like clover and alfalfa, benefit the soil and succeeding crops.

*I had wonderful success with the Pepper-Tomatoes. They were quite a novelty in my neighborhood.*

*Fred W. Heep, Oklahoma City, Okla.*

**160. \*EXTRA EARLY SNOWBALL**—(D a n i s h Grown.) We consider this the very best early cauliflower for all purposes. It is the ideal sort for both home garden and market. Extra Early Snowball is dwarf and compact in growth, very uniform, and under reasonably favorable conditions, every plant will form a large solid head, 8 to 10 inches across, with very close snow-white curds of finest quality. The heads are deep and nearly globe shaped, short stemmed, with heavy pointed leaves folding inward to protect and blanch them. Although this is an extra early sort, it can also be planted to advantage for late fall and winter use. Because of its compact habit of growth, it is better for forcing in hotbeds than any other variety. Market gardeners find our strain of Extra Early Snowball Cauliflower the most profitable they have ever grown. Pkt. 20c, ½ oz. \$1.25, oz. \$2.00, ¼ lb. \$7.00, prepaid.

**161. SELF PROTECTING DANISH PERFECTION**—A new variety of the Dwarf Erfurt type, being an improved strain. This is not quite as early as the Extra Early Snowball, but the heads are better protected by leaves, and are very firm, solid and heavy, pure white with no protruding leaves. The extra protection from the large leaves does away, to a large extent, with the necessity of tying up the leaves to blanch the heads. Pkt. 20c, ¼ oz. 75c, ½ oz. \$1.25, oz. \$2.00, ¼ lb. \$7.00, prepaid.

**165. \*DRY WEATHER OR DANISH GIANT**—This variety is of vigorous and dwarf growth, and produces stone-hard and snow-white heads, unsurpassed in quality. The foliage is very heavy, fully protecting the heads, which are less liable to blight in hot weather than those of the earlier sorts. If thoroughly cultivated and well enriched, it is the cauliflower that gives the highest yield. Dry Weather Cauliflower requires less moisture than other varieties, and is especially adapted for growing in dry localities, where it will produce good sized heads under unfavorable conditions. We recommend this variety as one of the very best for growing in the open ground. Pkt. 15c, ¼ oz. 60c, ½ oz. \$1.00, oz. \$1.75, ¼ lb. \$6.00, prepaid.

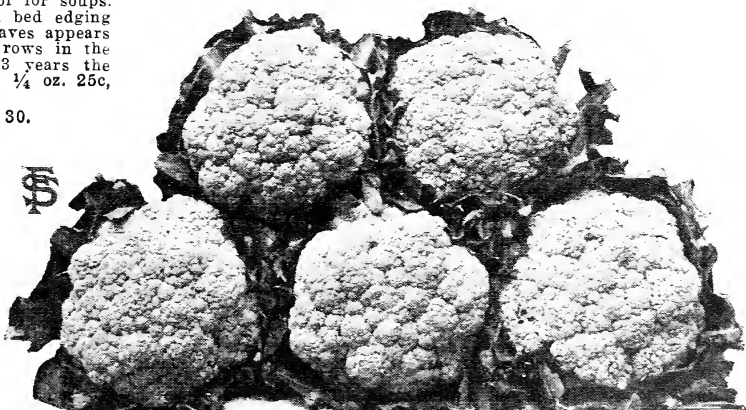
## BROCCOLI

Broccoli is quite distinct in flavor from Cauliflower. Its chief advantage over cauliflower is in its extreme hardness, therefore it may be grown much earlier in spring, and later in the fall, than cauliflower. Sow the seed outdoors, as soon as the ground can be worked, or start in flats, the same as cauliflower. For the fall crop, sow about June first, thin out the plants to stand 3 or 4 inches apart, then transplant in rows. Tie leaves up over the heads as soon as heads begin to form. Rich soil, plenty of water, and frequent cultivation are essential. Broccoli is a better keeper than cauliflower.

**80. ITALIAN GREEN SPROUTING**—A novelty of the Cauliflower family which, after the first head has been harvested, produces branching sprouts on which are small, loose heads 2 inches in diameter. They are cooked like Cauliflower—have a delicate flavor and are most delicious. Pkt. 20c, ½ oz. \$1.75, ¼ lb. \$6.00.

**81. \*LARGE WHITE**—Improved strain, finest quality. In great demand in eastern markets where it is often sold as cauliflower. Is in every way equal to choicest strains of imported cauliflower. Pkt. 10c, oz. 50c, prepaid.

For Insecticides to Control Worms—See Page 83.



Self Protecting Danish Perfection Cauliflower.

# CELERY



Golden Self Blanching Celery.

An ounce of seed will produce 2,500 to 3,000 Plants.  
A pound of seed will produce enough plants for one acre.

Sow the seed in flats, during February or March. Celery seed germinates slowly and the surface of the soil must be kept constantly moist. Cover the seed very lightly, with fine sand, rather than with soil, to prevent a hard surface. When the young plants are big enough to be handled, 2 or 3 inches high, transplant them to other flats, or to paper pots. In May, set them out in rows 3 feet apart, 6 inches apart in the rows. For home use, celery is often grown in double rows, 10 inches apart, without trenching, and banked with leaves or straw, weighted down with boards, just where it has been grown.

To blanch celery, hill up the stalks with earth, but do not let any dirt fall into the hearts of the plants, and do not work at it while wet. Celery may also be banked with boards pushed close to both sides of the rows. For winter use, store in a cool cellar.

**195. ★GOLDEN SELF BLANCHING**—This is the best celery for early table use, and is the most popular grown for the market. The plants grow to medium size, and are stocky and compact. The heart is rich golden yellow, with light yellowish green outer stalks and leaves. Stalks are broad and heavy, but remarkably crisp and tender, entirely free from stringiness, and of fine flavor. As its name indicates, this celery is self blanching, and needs but little care in the way of bleaching. Our seed is from the originator's strain, grown in France, and is the best obtainable, sure to please even the most critical market gardeners. Pkt. 15c, oz. 40c, ¼ lb. \$1.35, lb. \$5.00, prepaid.

**196. ★WHITE PLUME**—An extra choice early variety, suitable also for fall and early winter use. Plants grow rapidly and blanch naturally, both stalks and leaves turning white. They require very little banking up in order to blanch the stalks thoroughly. Stalks are slender, crisp and brittle, and of excellent flavor. White Plume is one of the best for the home garden and early table use, but cannot be kept through the winter. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

**197. AMERICAN GOLDEN SELF BLANCHING**—The seed of this strain is American grown, from the best selected French stock, and is the finest obtainable in this country. It is without doubt the best early Celery in cultivation. The plants are compact and stocky, with yellowish green leaves, and grow to a medium size. Stalks are broad, solid and of delicious flavor. Its rich, golden yellow color makes this Celery a favorite on the market. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.75, prepaid.

For Celery Plants see page 30.

Celery requires rich soil. SACCO provides nourishment for plants and gardens, and is cheap to use. SACCO is described and offered on page 84. For Celery Plants see page 30.

**199. GOLDEN PLUME**—This is a selection from the Golden Self Blanching. The plants are more vigorous in growth, and stand the heat and blight better than the Self Blanching does. The stalks are quite short, very brittle and tender, and of highest quality. They are a beautiful golden yellow, with a tuft of foliage in the middle. This is one of the finest varieties in cultivation. Pkt. 15c, ½ oz. 50c, oz. 90c, prepaid.

**201. OLD CELERY SEED**—This is used in place of celery stalks, for flavoring soups, pickles, etc. Oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.

See Our Collection  
of Oriental  
Vegetables  
on Page 6.

F. S. N. Co.—

Please send me your catalog. I have not sent for any seeds from you for a couple of years but this year I am going to send an order, as last year I got impure seeds and yours are always dependable. We have only a small garden, but we want the finest seeds to be had.

Mrs. G. W. Holmquist, Minneapolis, Minn.

## CELERIAC—Turnip Rooted Celery

This popular vegetable is worthy of more extensive cultivation. The roots, which are used in salads or boiled like parsnips or turnips, have a celery flavor that is particularly pleasant to those who like celery. The roots keep well all winter. Celeriac may be cooked, and served with cream sauce, or used as a salad.

**205. LARGE ERFURT**—Roots large, smooth, turnip-shaped and of excellent flavor. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

## CELERY CABBAGE—Chinese Pe-Tsai

**158.** A delicious salad vegetable of the finest quality. It resembles Cos lettuce, the heads being long and narrow, with tightly folded crisp white leaves, as tender as those of head lettuce. The flavor is that of a very mild cabbage, blended with celery. Do not sow until June or July.

It makes a delicious salad, sliced and served with French dressing. Boiled like cabbage, Celery Cabbage is especially fine, as it is without the offensive odor and strong flavor common to cabbage. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, prepaid.

## 159. Chinese Celery Cabbage for Poultry

A new cheap green feed of great value for poultry, more productive than lettuce, spinach or mangels.

Sow the seed in rows ½ inch deep and 24 inches apart, using 3 lbs. seed per acre. An ounce of seed will provide green feed for 100 hens for 4 months. Commence feeding Chinese Cabbage when plants are 4 inches high, pulling out every other plant. Plants form heads of 5 to 7 lbs. in 2 months, which can be stored until wanted. The greens need not be chopped for young chickens. Pkt. 10c, oz. 25c, ¼ lb. \$1.00, lb. \$3.50, prepaid.



Chinese Celery Cabbage.



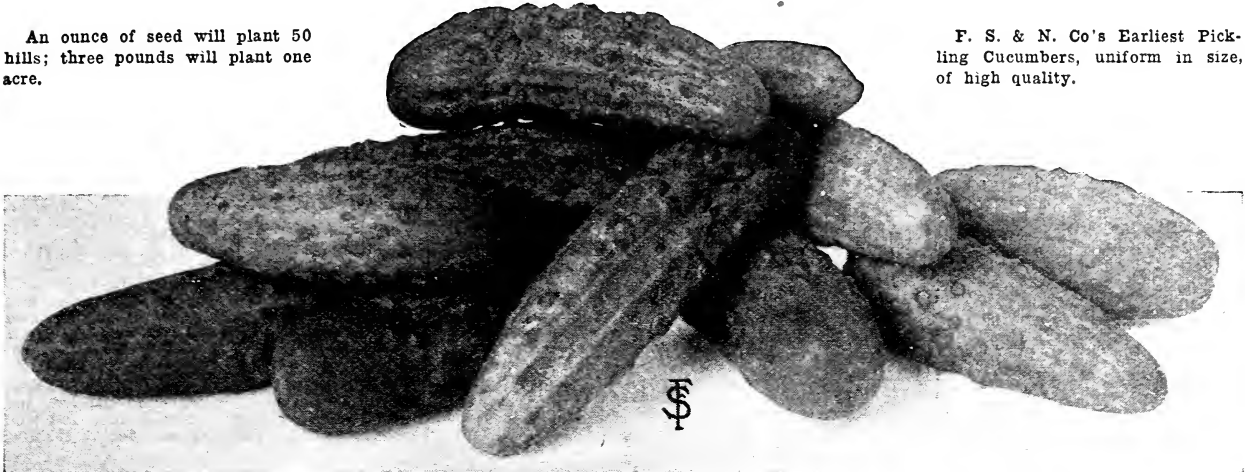
White Plume Celery.



# CUCUMBERS

An ounce of seed will plant 50 hills; three pounds will plant one acre.

F. S. & N. Co's Earliest Pickling Cucumbers, uniform in size, of high quality.



## Cultural Directions

Cucumber seed must not be planted until all danger of frost is past. The soil should be carefully prepared, with some well rotted manure in, as cucumbers require rich soil. Plant the seed in low flat hills, 5 to 6 feet apart each way, allowing 12 to 15 seeds per hill. Cover with three-fourths of an inch of finely pulverized soil. Thin out all but 4 or 5 of the strongest vines to a hill. Cultivate regularly while vines permit, but not while they are wet with dew. For cucumber beetles and cabbage worms, use—"Slug Shot," "Garden Guard," or "Nok-Em-Kold." See page 83.

## Pickling Cucumbers

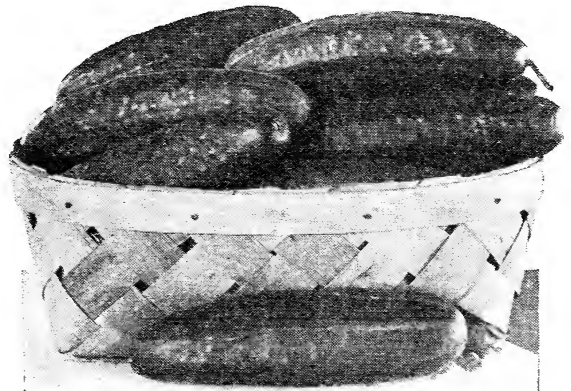
- 255. ★F. S. & N. CO'S EARLIEST PICKLING**—This variety is the earliest and best strain of all pickling cucumbers. The vines are of vigorous growth and harder than other varieties, therefore permitting early planting. The fruits are of medium size, slim in shape, of superior quality. More prolific than any other cucumber we have ever tried. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.
- 257. CHICAGO OR WESTERFIELD PICKLING**—Fruits of medium length, somewhat thicker than the Boston and deep green in color, with large, prominent spines; extremely prolific. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.
- 258. BOSTON OR GREEN PROLIFIC**—A distinct and very productive variety. Fruits bright green, medium sized, slender, smooth, symmetrical, crisp and tender. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.
- 259. EARLY GREEN CLUSTER**—Fruits of the slim form, desirable for small pickles; is very prolific, frequently setting fruits in clusters of 2 and 3. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.
- 260. ★IMPROVED LONG GREEN**—One of the best for slicing and pickles. Vines are very vigorous and productive, and the fruits about twelve inches long, are formed almost as early as those of the short sorts. Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. \$1.35, prepaid.
- 261. NEW EVERBEARING**—Very early, enormously productive, and valuable as a great pickler. The peculiar merit of this variety is that the vines continue to produce fruit until killed by frost, whether the ripe cucumbers are picked off or not. The fruit is of medium size, perfect in shape, of a fine green color. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.

## New and Odd Varieties

- 268. EARLY FORCING**—This is an ideal variety for forcing, as well as for the garden. Grows 10 to 16 inches long, is very uniform in shape and size, and an excellent keeper. The flesh is firm and crisp, and the skin an attractive dark green, retaining its color until ripe. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.
- 275. JAPANESE CLIMBING**—This variety will be appreciated where garden space is limited, as it can be trained to climb a fence or trellis. Vines are of vigorous growth, bearing fruit throughout the season. Cucumbers are of uniform shape, and beautiful dark green color. Good for pickling, but especially fine for slicing and salads. Pkt. 10c, oz. 20c, ¼ lb. 60c, prepaid.
- 90. CHINA LONG**—Average size 20 inches long—perfectly straight; dark green color; white flesh. Fine flavor. Pkt. 10c, oz. 25c, prepaid.
- 1403. GOURDS**—Rapid growing annual climbers, belonging to the family of melons and cucumbers. The foliage is luxuriant and the fruits are oddly shaped and marked. Interesting for children's gardens. Mixed varieties, pkt. 5c, oz. 25c.

## White Spine Varieties

- 267. IMPROVED EXTRA EARLY ARLINGTON WHITE SPINE**—The handsomest and most productive variety of the White Spine sorts. Without exception the most profitable cucumber for market gardeners, and equally desirable as a family garden sort. The cucumbers are very straight, symmetrical and of deep green color throughout their entire length, never turning yellow. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.
- 269. ★STAYSGREEN**—A new white spine variety, and the earliest table or market cucumber. It is ready for use in 52 days, and is one of the most profitable market sorts, an enormous yielder and an excellent shipper. The cucumbers are of fine quality, crisp and tender, of medium size, about 6 inches long, and deep green in color. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.
- 270. ★DAVIS' PERFECT**—One of the very best sorts, both for market and for the home garden. It has fine length, slimness, beautiful dark green color, transparent light flesh, with deliciously cool refreshing flavor, and is always crisp and tender. Fruits are 8 to 10 inches long, tapering at both ends, solid flesh with few seeds. They are ready for the market in 65 days. Our seed comes from carefully selected stock of the originator's strain. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.
- 271. EXTRA LONG OR EVERGREEN WHITE SPINE**—Unexcelled in table quality. The flesh is unusually thick and seeds stay extremely small. The flavor is unsurpassed and meat is white, firm and crisp. Vines of vigorous growth with large, heavy foliage, thus resisting attacks of insects, etc. Color is a rich dark green, size 10 to 12 inches in length, always straight and never turn yellow. Our strain is the result of years of careful selection and more blight proof than others. Ready for the market in 70 days. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.
- 278. ★WHITE WONDER**—This is a beautiful snow white, not changing color even when fruits are matured. It grows to good size, about 8 to 10 inches long, and is very uniform. The flavor is excellent, and the flesh is firm and crisp, fine sliced and in salads. Because of its clear smooth surface, it makes an ideal pickling cucumber. It is ready for use in 65 to 70 days, remains in condition for eating for a long time, and bears abundantly. A packet of seed will supply enough cucumbers for pickling and slicing. Pkt. 10c, oz. 20c, ¼ lb. 45c, lb. \$1.35, prepaid.



Arlington White Spine Cucumber.

# LETTUCE

An ounce of seed will sow 75 feet of row; 4 to 5 pounds per acre.

**CULTURE**—The early, loose leaved lettuce may be sown just as early as the ground can be worked. Have the soil well pulverized, and fairly rich. Sow  $\frac{1}{4}$  to  $\frac{1}{2}$  inch deep, in rows 2 feet apart. When the plants are 3 or 4 inches tall, thin out to stand 4 inches apart in the rows. For later sowings, All Seasons and Crisp-as-Ice, are better than the leaf varieties, as they endure hot weather better.

Shooting to seed of lettuce is due to hot weather, and cannot be controlled—For this reason, lettuce should be sown very early.

## Curled or Loose Leaf Sorts

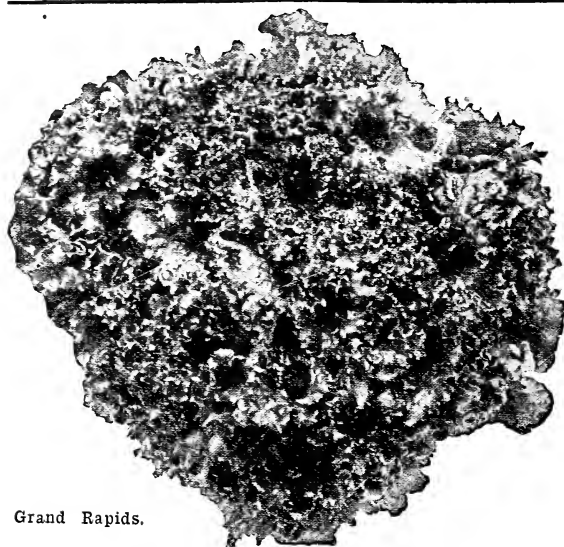
**325. ★GRAND RAPIDS**—The best and most profitable sort for forcing. Grown almost exclusively by market gardeners. A splendid shipper, not apt to rot. Plant is upright and forms a loose head or a cluster of light green leaves. One of the very best leaf lettuces for the home garden. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.60, prepaid.

**326. ★BLACK-SEEDED SIMPSON**—One of the best and most largely planted bunching varieties; excellent for forcing as well as for growing outdoors. Distinctly a market gardener's sort, but also very satisfactory for home use, as it is very reliable and easily grown; it succeeds during summer when more delicate sorts fail. Leaves broad, sweet and tender. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.50, prepaid.

**327. ★SIMPSON'S EARLY CURLED**—(Seed white.) Early, erect growing. Leaves broad, often frilled and blistered, and formed into a loose head; light green in color; sweet, tender and well flavored. May be cut when very young. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.50, prepaid.

**328. ★FIRST OF ALL**—The earliest curled leaf variety suitable for outdoor culture or forcing. Exceptionally tender and sweet. Leaves are crumpled, heavily fringed, and of light green color. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00, prepaid.

**329. PRIZEHEAD**—An excellent home variety and planted more extensively for family use, than any other kind; not suited for shipping and not adapted for forcing. The plant consists of a loose cluster of leaves, of bright brown color, varying to bright green; the quality is very fine, tender and crisp. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.50, prepaid.



Grand Rapids.

## Head Lettuce

**CULTURE**—Thin out the plants to stand from 6 to 10 inches apart in the rows. As the heads develop, every other plant may be taken out and used, and the balance will form fine solid heads. Head lettuce needs cool weather, plenty of moisture, and plenty of room to grow.

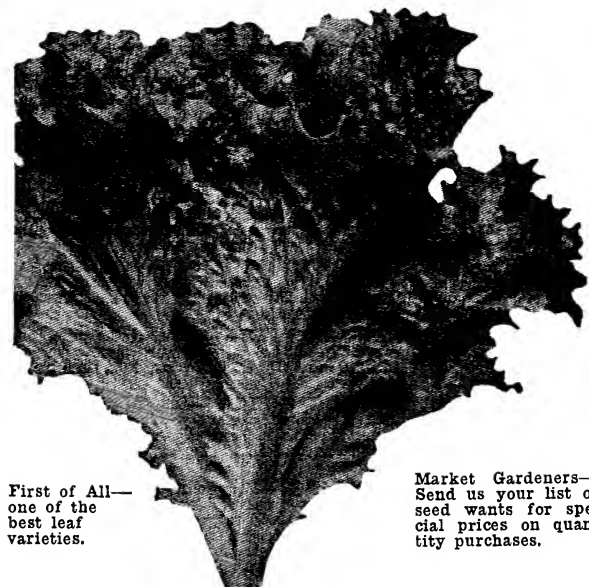
**331. ★ALL SEASONS**—Large, handsome, solid heads, rather flat. The leaves are soft grayish green, broad and slightly wrinkled while the inner ones are beautifully blanched, thick and of finest flavor. Very crisp and tender, having that "buttery" quality so much liked. It resists heat exceptionally well, and as its name implies may be grown in the open from early until late in the season. The best for successive crops, a sure header, and best for market. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.50, prepaid.

**332. ★F. S. & N. CO'S MAY KING**—The earliest head lettuce. Equally desirable for market and the home garden. Heads medium sized, with outer leaves folding close to the head, thus permitting close planting for frame work; color light green, outer leaves tinged slightly brown; heart of a beautiful appetizing yellow. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.50, prepaid.

**333. THE DEACON OR ST. LOUIS BUTTER**—A lettuce of the highest quality, a splendid variety for the market gardener, as well as for home use. It stands hot weather well, is very reliable in heading and the best head variety for forcing. The heads are medium large, leaves broad and smooth. Quality excellent, sweet and buttery in flavor, crisp and tender. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.50, prepaid.

**335. CRISP AS ICE**—A favorite variety forming decidedly solid heads, the interior of which are well blanched, sweet and tender. The leaves are exceedingly crisp and brittle, the outer ones being variegated brown and green. They are thick, broad and slightly blistered. Ready in 55 days. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75, prepaid.

**334. MIGNONETTE**—Forms small, compact heads, unsurpassed in quality. Outer leaves are tinged with brown and slightly curled. Heart blanches to a creamy white, and is particularly crisp and tender. Mignonette is a sure header and slow to go to seed. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.



First of All—  
one of the  
best leaf  
varieties.

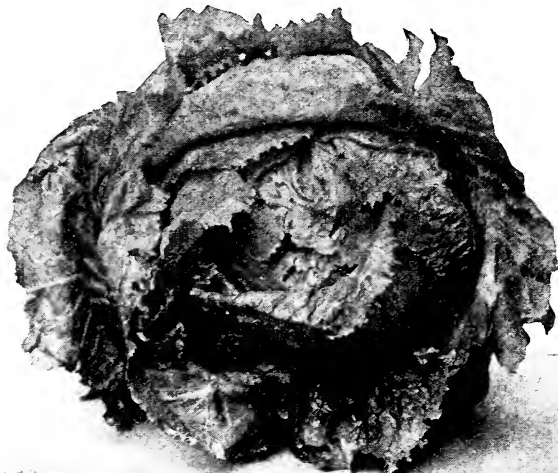
Market Gardeners—  
Send us your list of  
seed wants for spe-  
cial prices on quan-  
tity purchases.

**336. HANSON**—The standard summer cabbage-heading variety for either the home or market gardener. Very reliable and a sure header. A very large, late variety, forming a very hard head of light green of best quality. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.50.

**338. ★WONDERFUL OR NEW YORK**—A large variety of very good quality, fine flavor, sweet and crisp, and of dull green color; a good shipper. A favorite variety with market gardeners near New York; one of the best for the private garden; unfit for forcing. Excellent for mid-summer. This variety is also known as the "Los Angeles." Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 65c, lb. \$2.25, prepaid.

**339. BIG BOSTON**—A very popular sort with market gardeners; succeeds well in late fall, but also a good summer lettuce and fine for forcing. Hardy, reliable, a sure header, and a splendid shipper. The plants form large, compact heads, leaves of light dull green color with light brown border. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 40c, lb. \$1.50, prepaid.

**341. CHICKEN LETTUCE**—All poultry raisers know that chickens need green food. This lettuce will yield a large amount of greens throughout the season, as it makes successive crops after cutting. Oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid.



All Seasons Head Lettuce.

# Herbs and Miscellaneous Vegetables

## HERBS FOR SEASONING

Herbs are essential for flavoring and seasoning; their proper use is the secret of many a good cook's success. They can be used fresh during the summer. For winter use, dry the young stems and leaves, tied in bunches. Store in Mason jars, to keep out air and dust.

**660. CARAWAY**—Grown for the seeds, which are used for flavoring. Pkt. 10c, oz. 25c, prepaid.

**661. CHIVES**—Used for seasoning. Of mild onion flavor. Pkt. 10c, ½ oz. 40c, oz. 60c, prepaid.  
For Chives Plants, see page 30.

**663. DILL**—Seeds have an aromatic odor and pungent taste. Is used for pickles. Pkt. 10c, oz. 20c.

**664. LAVENDER**—An aromatic herb. Much used to perfume linens. Pkt. 10c, oz. 50c.

**671. MARJORAM**—The young, tender tops are used green for flavoring, or they may be dried for winter use, for flavoring broths, dressings, etc. Pkt. 10c, oz. 50c, prepaid.

**674. SAGE**—The leaves and tops are used very extensively for seasoning. Pkt. 10c, oz. 40c.

**675. SUMMER SAVORY**—A hardy annual. The dried stems, leaves and flowers are fine for flavoring soups, dressing, etc. Pkt. 10c, oz. 30c.

**676. THYME**—The young leaves and tops are used for seasoning soups, in dressings, etc. Pkt. 10c, oz. 50c.

## MUSTARD

Mustard leaves are used as a salad, or cut and boiled like spinach.

**315. WHITE ENGLISH**—Leaves are comparatively smooth and deeply cut; color medium dark green. Seed is used for flavoring, in pickles, etc. Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 80c, prepaid.

## EGG PLANT

1 oz. for 1,000 plants.

Seed should be sown in hotbed or greenhouse in March or April, and when about an inch high, pot in 2 or 3 inch pots. Plant out about June first, 3½ feet apart each way. One ounce of seed for 1,000 plants.

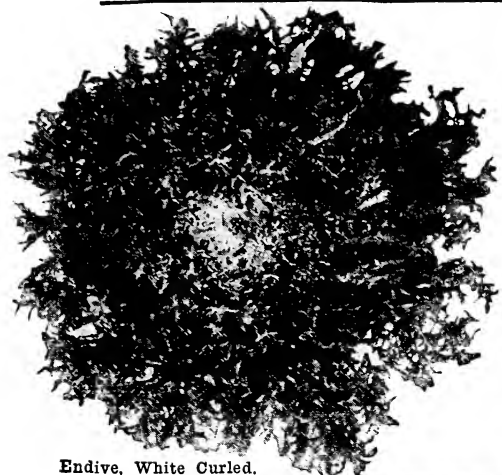
**300. ★NEW YORK IMPROVED LARGE PURPLE SPINELESS**—The plants are large, vigorous, spreading, and the fruits are very large, oval, of glossy dark purple color; usually 4 to 8 fruits are produced by a plant. Pkt. 10c, oz. 40c, ¼ lb. \$1.65, prepaid.

**302. BLACK BEAUTY**—Desirable for the northern states. Earlier than New York Spineless. The fruits are broad, thick, of most attractive form and finest flavor. Their rich, lustrous, purple color is very uniform. Pkt. 10c, oz. 40c, ¼ lb. \$1.65, prepaid.

## ENDIVE

**305. ★WHITE CURLED**—A very beautiful sort of which the leaves are very light colored, even the outer ones being nearly white. They are crisp and tender. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**307. BATAVIAN**—Large heads of broad, thick leaves, which can be blanched as salad or used for cooked greens. A very fine variety. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.



Endive, White Curled.

## KOHLRABI

Roots grow above the ground, and are cooked like turnips, but are of much milder, more delicate flavor, and very tender. Sow in drills 18 inches apart, and thin to stand 4 or 5 inches apart in the rows.

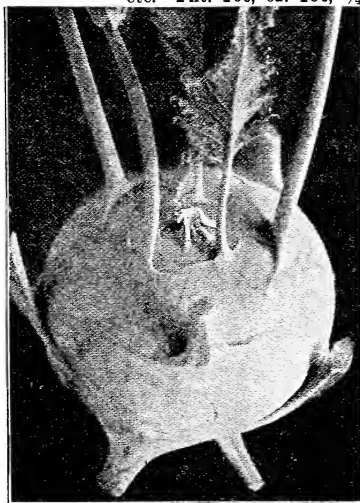
**311. EARLY WHITE VIENNA**—Very handsome, white fruit. Excellent both for forcing and open ground; flesh white and very tender; leaves short. Pkt. 10c, oz. 25c, ¼ lb. 70c, lb. \$2.25, prepaid.

## LEEK

A species of onion, valuable for flavoring soups, of more delicate flavor than the onion. Sow as early in spring as practicable, in drills one inch deep and 18 inches apart; the plants should be thinned to stand 4 to 6 inches apart in the row. When 6 or 8 inches high transplant in rows 10 inches apart each way, as deep as possible, that the neck may be blanched. The ground can hardly be made too rich. One ounce of seed will sow 100 feet of drill.

**211. LONDON FLAG**—The variety generally cultivated. It is hardy and of good quality. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.10, prepaid.

**GOURDS**, see page 13.  
**GROUND CHERRY**, see pages 29 & 30.  
**CRESS**, see page 10.



Kohlrabi Early White Vienna.

## BORECOLE or KALE

Borecole, Kale, and Greens are cabbage-like plants which form no heads, but are used like spinach, for fall, winter and spring greens. Sow the seed in June, and transplant to rows from 2 to 2½ feet apart. The dwarf Kale can be sown later, and need not be transplanted. Frost improves the flavor and quality.

**75. DWARF GREEN CURLED**—Plant is low and compact, with large, bright green leaves, curled, and wrinkled. A healthy vegetable, and one of the most palatable when well cooked. Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. \$1.50, prepaid.

## BRUSSELS SPROUTS

**70.** One of the most delicious vegetables for winter use, of mild cabbage flavor. Plants grow quite tall, the stems being covered with tiny cabbage-like sprouts, that are firm and hard. Cook the small heads and serve with butter or a cream sauce.

Start the seed indoors, the same as cabbage, and transplant to the garden in May. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.25, prepaid.

## MUSHROOM SPAWN

**American Pure Culture**—This spawn is obtained by selecting spores from individual specimen mushrooms, and is propagated and transferred to bricks of manure, which will produce mushrooms true to type with exceptional uniformity and regularity. Bricks weigh about 1½ lbs.; a brick will spawn a bed 10 feet square. Pamphlet on mushroom culture with every order.

To grow mushrooms on the lawn, break up the brick of spawn into inch square pieces. Have ready some fresh horse manure, and place a trowel full under the sod at intervals about the lawn. Put a piece of spawn on the manure, and replace the sod. Do this in May. After the warm rains, the lawn will be full of mushrooms.

Price: Brick 40c, prepaid.—Not prepaid: 5 bricks \$1.65; 10 bricks, \$2.75.

F. S. & N. Co.

*For a number of years past, both while on the farm and in the city, we have used Farmer Seed & Nursery Co. Seeds with great success. The Early Sunshine Sweet Corn we had last year was the finest I ever raised. Everyone that had a taste of it told us it was the finest corn they ever had eaten.*

E. W. Willard, Mankato, Minn.



Grow Mushrooms on your lawn.

Mushrooms from Spawn.

# MUSKMELON

One ounce of seed will plant 60 hills, 2 to 3 pounds per acre.

**CULTURE**—Muskmelons or cantaloupe require warm, rich soil, slightly sandy. Plant when all danger of frost is past, in hills 6 feet apart each way, 8 to 10 seeds to a hill. Well-rotted manure carefully worked into the soil is beneficial. After danger of insects is past, thin out to 3 or 4 plants to a hill. Cultivate until vines cover the ground, and pinch off the ends of the vines. Give them plenty of moisture.

Early melons ripen in 80 to 100 days from time of sowing. General crop requires 110 to 140 days. For the home garden, we recommend in particular, Lake Champlain, Premium Osage, Milwaukee Market, and Minnesota Melting Sugar.

## Salmon Fleshed Sorts

**359. ★LAKE CHAMPLAIN**—Absolutely the earliest of all, and of much finer quality than any other early sort. Melons are of medium size, well netted, with golden yellow flesh that is of deliciously melting flavor. Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. \$2.00, prepaid.

**357. NEW SUGAR ROCK**—This is the newest outstanding Muskmelon. It's a money-maker and a source of pride for every grower because of its handsome appearance, its marvelous flavor and its wonderful shipping qualities. Sweet as sugar, solid as a rock and easy to grow, is the universal verdict.

Sugar Rock is a strong grower and heavy yielder, producing as high as five to seven fruits per vine. It is not an extra early variety, but mid-season or about 85 days from seed—has deep orange flesh, with a flavor different from most other sorts, which can only be appreciated by tasting. In competition with other varieties, sold wholesale and by roadside stands, Sugar Rock averaged 50% more in price per lb. The originator averaged \$50.00 per acre from 14 acres of Sugar Rock Melon last season. Pkt. 15c, oz. 40c, ¼ lb. \$1.00, lb. \$3.00, prepaid.

**361. ★PREMIUM OSAGE**—(Special Strain). An improved strain of the popular Osage, being a few days earlier, and covered with thick grey netting. Flesh is deep salmon, thick and firm, and of luscious flavor. A fine keeper and shipper, more extensively grown by market gardeners than any other sort. Pkt. 10c, oz. 20, ¼ lb. 50c, lb. \$1.50, prepaid.

**349. MILWAUKEE MARKET**—(Special Strain). A delicious, large salmon fleshed sort; slightly oval in shape, heavily netted and with prominent ribs. Uniform as to size and quality. Flesh is salmon colored, thick and firm, and of aromatic flavor. A medium early sort, that produces ripe melons by the last of August. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.

**364. HEARTS OF GOLD**—A beautiful golden salmon fleshed melon that ripens in 70 days. The fruits are uniform in size, averaging 5 inches in diameter, and very productive. As many as 12 melons have been picked from one vine. The flesh is thick and tender, and ripens clear to the skin. Fine for shipping or home garden. Pkt. 10c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, prepaid.

**369. BENDER'S SURPRISE**—Of exquisitely fine flavor, large size, and earliness. Fruits are oval, light green turning to a golden tint when fully ripe, and coarsely netted. Flesh deep orange, very thick and sweet. The melons weigh up to 10 lbs. and keep a week after picking, actually improving in flavor. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, ppd.

*We have raised many of the Earliest and Sweetest Melons, without special care, that weighed 24 lbs. and over.*

*Mrs. James C. Hand,  
Saum, Minn.*

Sugar Rock—The newest introduction.

## Green Fleshed Sorts

**350. ★MINNESOTA MELTING SUGAR**—The sweetest, richest flavored of all green-fleshed muskmelons. Fruits are oval in form, distinctly ribbed and heavily netted. The flesh is very firm, of green color, exceptionally sweet, sugary, juicy and tender, with a rich aromatic flavor. Vines are of vigorous, healthy growth, yielding an abundant crop of uniform sized melons, quite early in season. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.50, prepaid.

**351. EXTRA EARLY HACKENSACK**—A selection of the Hackensack, ripening fully ten days earlier. The melons are of good size, heavily ribbed and netted, and have thick, light green flesh of fine flavor; they are very early, hardy and prolific and among the best market varieties. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.

**353. HONEY DEW**—It is as sweet as honey, and has the mingling of several flavors—pineapple, banana, and vanilla predominating. The skin is smooth, with an occasional net, and creamy yellow when ripe. Flesh is emerald green, very thick and fine grained. Ripens quite late, and should be started in hotbeds. A fine keeper and shipper. Pkt. 10c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, prepaid.

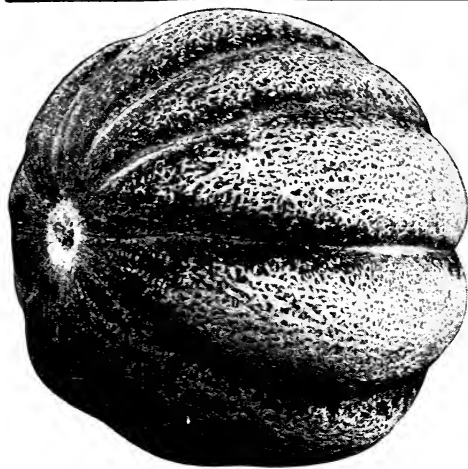
F. S. & N. Co., Faribault, Minn.

*I want to say that I have bought all my Musk Melon and Water Melon Seed from you the last few years and was always perfectly satisfied. Never found a melon among these that was not 100% perfect. The Musk Melons I am raising are Lake Champlain, Hearts of Gold and Milwaukee Market. I certainly call them all good melons. You will receive an order from me again soon.*

*L. M. Schwemle, Forestburg, S. D.*

MARKET GARDENERS—ASK FOR SPECIAL PRICE LIST TO APPLY ON LARGER ORDERS

Premium Osage, early, productive, fine flavored.



Milwaukee Market, one of the best for the market.

**363. YELLOW MEATED JAPAN**—The flesh is thick, salmon colored, and of sweet, delicious flavor. Fruits are of large size, nearly round, slightly ribbed. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50, prepaid.

**368. BANANA**—Attains a length of 18 to 30 inches, is 2 to 4 inches in diameter and has flesh of orange-yellow color and exquisite flavor. The fruit resembles a banana in appearance. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.

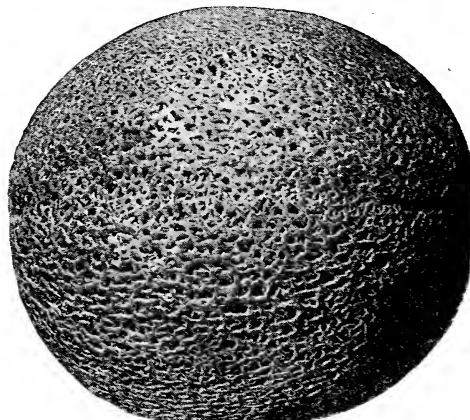
**360. NEW FORDHOOK**—The fruits grow very even and regular in size and attractive in appearance, slightly flattened at both ends and roughly netted. The flesh is very thick, color an attractive deep orange and of delicious flavor. Remarkably early and a good shipper. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.

**356. POLLOCK 10-25**—A salmon tint Rocky Ford that should be better appreciated. It is a vigorous grower, early, and cuts with a golden center shading to green at the rind. One of the best shipping melons. Be sure to try this delicious melon. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.

**367. GOLDEN HONEYDEW**—This has all the excellent qualities of the original Honeydew, being similar in size and shape, but it matures somewhat earlier. The flavor surpasses anything ever produced in a muskmelon. Flesh is golden yellow, juicy and tender. Pkt. 10c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, prepaid.

### OUR SPECIAL OFFER

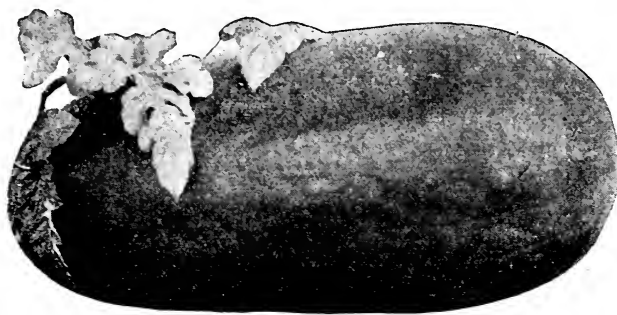
For those who want the choicest varieties maturing in succession and providing a continuous supply of luscious melons either for market or home consumption, here is our favorite collection—Lake Champlain, Sugar Rock, Premium Osage, Minnesota Melting Sugar. One packet each, 30c, ¼ lb. each \$2.00, prepaid.





# WATERMELON

One ounce of seed for 30 hills; sow 4 to 5 pounds per acre.



Kleckley's Sweet, a delicious medium early Melon.

**374. TOM WATSON**—One of the most popular shipping melons, with very tough rind that is deep green, indistinctly veined. Fruits are very large and oblong, usually about 22 inches long and 12 inches in diameter, and weigh as much as 40 pounds. Flesh is deep red and sweet, coming very close to the rind. Seeds are brown. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**375. ICE CREAM OR PEERLESS**—One of the best early sorts for private gardeners who sell direct to consumers. Melons are medium sized, oval, bright green finely mottled. Flesh is bright scarlet, solid and crisp, and very sweet. A very prolific variety. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**382. ★NEW WINTER**—A wonderful variety that keeps for 2 months after picking, if properly stored. The melons are quite small, average 10 pounds in weight, and look like the Honeydew muskmelon, with cream colored rind, faintly striped with light green. A very early sort, prolific, and a splendid shipper. Flesh is equal to the best, bright red, sweet as honey, with small black seeds. The Winter Watermelons are often sold in October and November, when they bring a fancy price. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**383. KLECKLEY'S SWEET**—A high quality melon of large size, often reaching 22 inches in length and 40 pounds in weight. It is oblong, with dark green rind. Flesh is red, tender and meltingly sweet. The seeds are white and placed quite near the rind. This melon is very prolific and matures in about 80 days. For home markets and the private garden, it has no equal. Pkt. 5c, oz. 15c, ¼ lb. 35c, lb. \$1.15, prepaid.

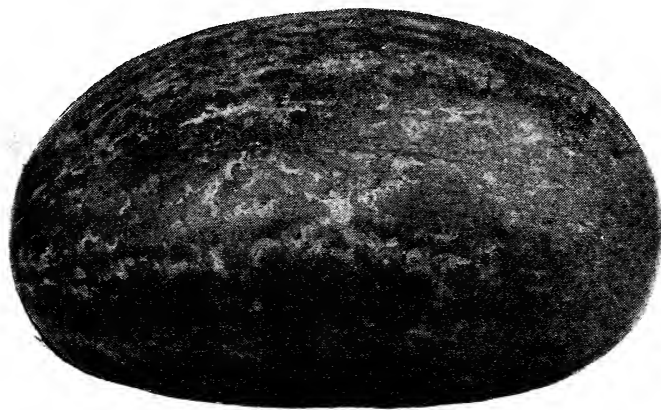
**384. WONDER MELON** (Improved Kleckley's.) The finest water melon ever grown. It grows uniformly large and long, resembling Tom Watson, but is thicker, more solid, and usually larger and heavier, often weighing 40 lbs. The flesh is bright scarlet, and sweet to the rind; it is free from cores or hard centers. Seeds are small and white. The melon is deep shiny green, with a thin tough rind, and withstands shipping well. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**388. MIXED WATERMELON**—For those of our customers wishing an assortment of watermelons, we have put up a special mixture containing our best and most popular varieties. Pkt. 5c, oz. 15c, ¼ lb. 25c, lb. 90c, prepaid.

F. S. & N. Co., Faribault, Minn.

*As your reputation for having good seeds is a household word in Minnesota, I give you this order with the hope that I'll be satisfied, too.*

Dan McKenna, Littleville, N. D.



Earliest and Sweetest Watermelon.

## CULTURE

The best soil for growing watermelons is light, rich, and sandy. When the ground is thoroughly warm, and all danger of frost is past, drop 8 to 10 seeds in hills 8 to 10 feet apart, covering the seed about an inch. When the plants begin to run, to vines, thin out all but the 3 strongest plants in each hill. Hoe often and thoroughly.

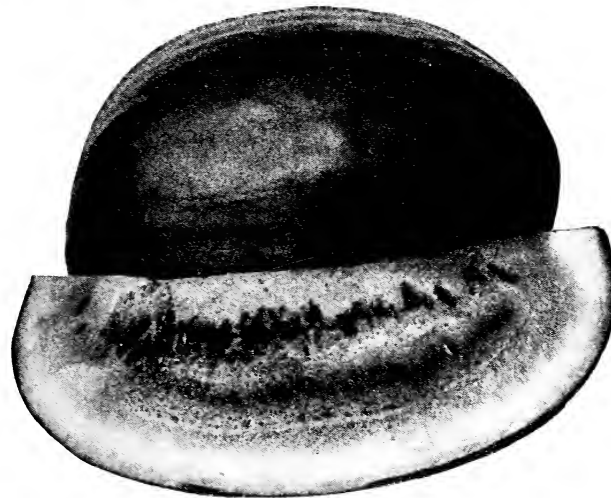
It requires from 100 to 120 days to mature watermelons, therefore the earliest sorts, like Cole's Early, Harris' Earliest, and Earliest and Sweetest, are the most satisfactory for the Northwest.

For bugs, dust with Slug Shot, and for lice, spray with Evergreen or Shep's Spray. See page 83.

**370. ★COLE'S EARLY**—This is by far the finest home garden melon for the Northwest as it matures several weeks ahead of any other. Fruits are oblong in shape, weighing about 15 to 20 pounds, dark green, striped irregularly with a lighter shade. Because of its thin, brittle rind, Cole's Early is not adapted for shipping, but is best for home and local market consumption. The flesh is bright red, firm, lusciously sweet; there is little or no seed cavity, with but few seeds. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**386. EARLIEST AND SWEETEST**—Just what its name indicates, the earliest and sweetest of all. Very prolific, often producing 6 to 8 melons on a single vine, that average 10 to 15 pounds in weight. Flesh is scarlet, of extra fine quality and free from stringiness. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**372. ★IRISH GREY OR GENERAL PERSHING**—A long melon, rather large, often weighing 25 pounds, with light green rind. The skin is tough and elastic, and it is one of the very best for shipping. Flesh is of very fine quality, without hard center, free from stringiness, and deliciously sweet and tender, unsurpassed in flavor. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.



Cole's Early, the best for home gardens.

**385. ★GOLDEN HONEY**—Flesh is bright golden yellow, firm, crisp and glistening, and fairly melts in your mouth. It is deliciously sweet, fully equal in flavor to the best red sorts. Melons are of medium size, oblong, with hard rind of deep green. An unusual variety of real merit, fine for the home garden and for exhibition purposes. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**390. CITRON**—This is used for making preserves of a peculiarly fine transparent quality. Flesh is clear white and solid. Fruits are round and smooth, quite small. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

F. S. & N. Co., Faribault, Minn.

*I bought my Melon Seed from you last year—planted one acre of Lake Champlain and Hearts of Gold Musk Melon, also one acre of Earliest and Sweetest Water Melons. I sold \$1,050.00 of Melons—think every seed grew.*

G. F. Anglum, Valley Springs, So. Dak.

F. S. & N. Co., Faribault, Minn.

*I have been satisfied with all the seeds I got from you. They seem to do better on our land—they are raised in our own state and acclimated. There sure is a difference.*

Harry Smart, Box 345, East Grand Forks, Minn.

Faribault Red Globe,  
the most profitable onion  
for the market.

# ONION SEED

One ounce of seed will sow 150 feet of drill; sow 5 to 6 pounds per acre.

## Culture

The soil should be very carefully prepared for onions. The richer the soil, the better the crop will be. Plenty of fertilizer and wood ashes, well spaded in, are essential. Sow the seed as early as the ground can be worked, in rows 15 to 18 inches apart, covering  $\frac{1}{2}$  inch deep. When the seedlings are 3 or 4 inches tall, they should be thinned out to stand 3 inches apart in the row. Keep them free from weeds and hoe often.

Pull the onions when the tops die down, dry them off, and store for winter use in a cool, dry place.

The Globe onions are the best keepers, and the best winter onions. White onions are of milder flavor than the red and yellow, therefore most desirable for the table. Prizetaker, Silver King, and Sweet Spanish are the mildest of all. Prizetaker and Yellow Globe onions, being very mild and also excellent keepers, are the best to grow for the home garden. Barletta and Silverskin are grown largely for pickles, and White Welsh for 'green' onions.

Write for our Market Gardeners' Price List, if you use larger quantities of seed than quoted here.

### 395. ★FARIBAUT RED GLOBE, SPECIAL STRAIN

The onion seed we offer is a special strain of Red Globe produced by years of careful breeding. The perfect globe type is thoroughly established in this variety, and the onions are always of the most uniform shape. The bulbs are of a dark red color, very attractive in appearance. They are thin necked, ripening down to a hard solid ball. This is the best onion for market for winter use, an excellent keeper, and most profitable for market. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50, 2 lbs. \$4.50, prepaid.

### 397. ★MINNESOTA SOUTHPORT YELLOW GLOBE

The most beautiful yellow onion of fine globe shape, golden yellow color, large size, being 3 to 3 $\frac{1}{2}$  inches in diameter, and mild flavor. It is a heavy cropper, an excellent keeper and good shipper. It matures in 105 to 115 days. The best yellow variety to grow for the market. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.25, 2 lbs. \$4.00, prepaid.

### 398. ★MINNESOTA SOUTHPORT WHITE GLOBE

The handsomest onion grown; it sells at a higher price than all other sorts. Perfectly globe-shaped; thin, delicate skin of snow white color. Flesh is firm, fine grained and of mild flavor; a tremendous cropper and good keeper. To get fine white onions great care should be exercised in harvesting and curing the crop. Pull as soon as onions are ripe enough to harvest and dry in an airy and shady place. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00, 2 lbs. \$5.50, prepaid.

### 402. EBENEZER OR JAPANESE

**ONION**—Large, somewhat flattened onions, yellow skinned, with small tops. They mature early, and keep hard and sound all winter. For the home garden and table use, there is no better flavored onion, and few varieties keep as well. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00, 2 lbs. \$5.50, prepaid.

OUR STANDARD VARIETIES OF  
VEGETABLE AND FLOWER SEEDS  
MAY BE BOUGHT AT LEADING  
DEALERS THROUGHOUT THE  
NORTHWEST.

### 403. ★LARGE RED WETH- ERSFIELD

This is the most extensively grown large red onion, and is an exceptionally heavy yielder, and a splendid keeper. There is no better onion grown, as far as earliness, beautiful form and color are concerned, and in productiveness and long keeping qualities, it excels all others. The bulbs are of large size, and though somewhat flattened, are thick through; skin is glossy deep red; flesh is purplish white, and of excellent, rather strong flavor. Flat onions mature earlier than the globes, and are therefore more suitable for northern sections, and for dry, sandy soil, than the globe varieties. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$2.00, 2 lbs. \$3.75, prepaid.

### 399. JAPANESE GREEN ON- ION—NATSU-NEGI.

(Summer Nebuka.) A fine summer green onion, producing a good, thick, long neck. A vigorous grower and of sweet mild flavor. This is one of the leading oriental vegetables, other varieties are described on Page 6. Grow something different. Pkt. 15c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50.

Southport Yellow Globe.

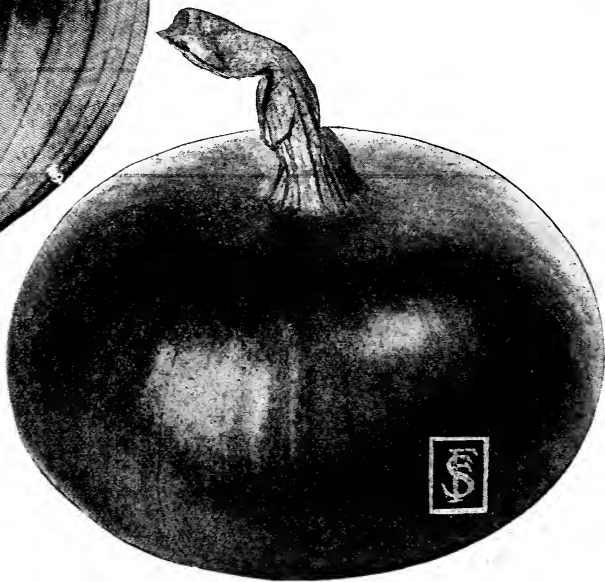
**407. YELLOW GLOBE DANVERS**—An early, almost true globe-shaped onion, with beautiful brownish yellow skin, and pure white flesh of very choice quality. Bulbs grow uniformly to about 2 $\frac{1}{2}$  inches in diameter, and are excellent keepers. This variety ripens several weeks earlier than the Southport Globes, and generally brings the highest prices paid for early onions. It is one of the best winter onions to grow in the home garden. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 55c, lb. \$2.00, 2 lbs. \$3.75, prepaid.

**408. MAMMOTH SILVER KING**—Very beautiful onions, of slightly flattened shape, but thick through, and averaging from 5 to 7 inches in diameter. The skin is silvery white, flesh is very mild and sweet, making it one of the very best for the table. An ideal sort for table use, for the market, or for exhibition purposes. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$3.25, 2 lbs. \$6.00, ppd.

F. S. & N. Co.

Have been using your seeds for the past 25 years and never had a failure. Every seed is true to name. Your Red Globe Onion Seed sure is fine. Everyone I sell them to in the fall tells me they keep until June.

Jacob Roehl, Foreston, Minn.



Large Red Wethersfield, a heavy yielder, good keeper.

# ONION SEED and SETS

**405. WHITE BERMUDA**—Very large flat onions, with a pleasant, mild flavor, and flesh of delicate texture. Beautiful in appearance, both skin and flesh being clear white. An extra fine onion for the home garden. Should be planted early. Pkt. 10c, oz. 35c, ¼ lb. \$1.00, lb. \$3.75, prepaid.

**406. \*PRIZETAKER**—This onion is remarkable on account of its great size and splendid quality. It is a yellow globe, very uniform in shape, with skin of bright straw color. It is of the same type as the large Spanish onions, that sell for a fancy price. The flesh is pure white and fine grained, mild and delicate in flavor. Prizetaker onions grow to immense size, from 12 to 16 inches in circumference, some weighing from 3 to 5 pounds each. Prizetaker requires a long season, and should be started early. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, 2 lbs. \$3.75, prepaid.

**412. SWEET SPANISH**—Here is a new variety of onion that deserves a place in every garden. It is about the mildest onion in cultivation, a product of old Spain, now acclimated to our own growing conditions. In size and shape, it greatly resembles the Prizetaker with skin a bright golden straw color. For table slicing, this variety is a rival of the Bermuda—it may be eaten like an apple and is bound to become one of the leading varieties. Pkt. 10c, oz. 30c, ¼ lb. 85c, lb. \$3.00, prepaid.

**409. \*EXTRA EARLY BARLETTA**—The best variety for small pickles. It is the earliest ripening onion in cultivation. The bulbs are pure paper-white, very small, averaging only from 1 to 1½ inches in diameter; they are of flat shape and very mild flavor. To grow small pickling onions plant the seed thickly in drills 15 inches apart, using 4 to 5 pounds per acre. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

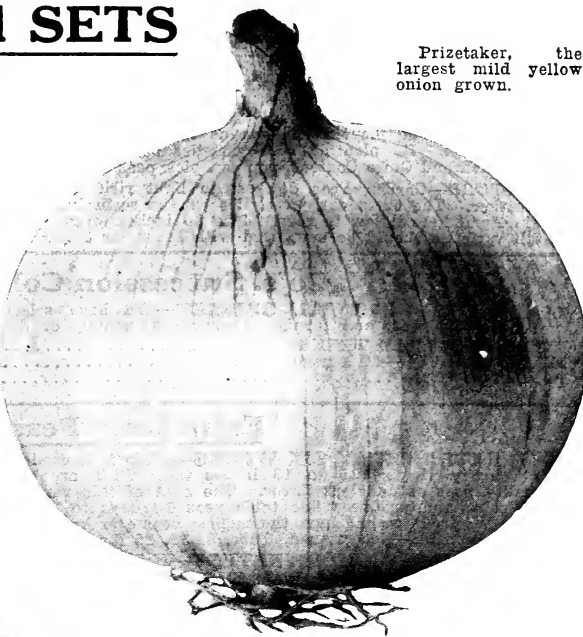
**411. WHITE PORTUGAL OR SILVERSKIN**—A medium sized onion of mild flavor and beautiful, clear white skin. A favorite with many for use when young as a bunching onion and for pickles; it is also a good keeper and fine for fall and early winter use. Used largely for the growing of white sets. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

**410. EARLY WHITE WELSH**—Perennial and the best "green onion." This variety does not produce bulbs, but being a perennial, it provides a good crop of green onions in the spring, and may be left in the ground for years. A profitable sort for the market gardener. Seed may be sown in August or September, to produce green onions early in spring. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

**414. MIXED ONION SEED**—This mixture contains seed of all varieties, Globe, Wethersfield, early and late, and "green" onions. It is fine for the small garden, as it will furnish a supply of onions all summer and for winter storage. Also recommended for growing sets. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75, 2 lbs. \$3.25, prepaid.

**CHIVES**—See Pages 11 and 30.

Prizetaker, the largest mild yellow onion grown.



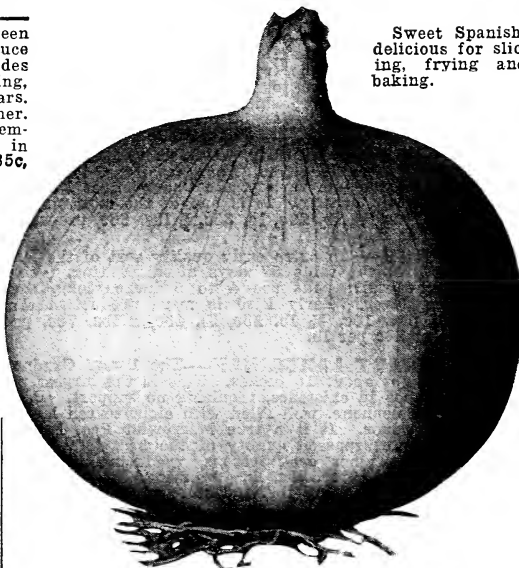
Sweet Spanish, delicious for slicing, frying and baking.

## BERMUDA ONION PLANTS

Grow your own first young table Onions from Bermuda Onion Plants. The plants are grown in Texas from the finest strains of Bermuda Onion Seed. Like our Frost Proof Cabbage plants, these onions are grown from seed outdoors, during the winter, and are subjected to cold, ice and snow. They will produce onions two weeks ahead of those raised from seed, and are just about as cheap.

They are perfectly hardy, easy to grow and produce the finest mild flavored young onions in the shortest possible time. We ship them in bundles of 200 plants, all ready to set out, guaranteed to reach you in proper growing condition. Use them as green onions, or let them develop to creaming size. If allowed to continue growing, they will develop good sized bulbs. Orders will be shipped at proper time for setting out. Set out 100,000 plants per acre.

Price: 200 plants 50c, 500 plants \$1.00, 1,000 plants \$1.50, prepaid—Not prepaid, case of 6,000 plants \$5.00. Weight per case 35 lbs.



## ONION SETS

32 lbs. equal 1 bushel. One pound of sets will plant 25 feet of row or 12 bu. to plant an acre.

Onion sets are planted for onions for early spring use. A pound or two is sufficient for the average family garden. They produce green or bunch onions in half the time it takes to raise these from seed, and can be planted before it is safe to plant anything else.

We quote prices on one pound quantities prepaid. If larger quantities are wanted by mail, add postage at zone rates.

**JAPANESE ONION SETS**—In shape and color, this variety resembles Yellow Globe Danvers, but it generally produces 50% more onions per acre. Its great superiority over other onions is the big yields, long keeping quality, and freedom from going to seed. Japanese sets produce marketable onions in June and July, long before any others are ready. Price: Lb. 35c, prepaid—Not prepaid, 4 lbs. 75c, pk. \$1.20, bu. \$4.00.

**EGYPTIAN PERENNIAL SETS**—A hardy variety that may be planted either in spring or fall. They require no attention, spread rapidly, and make the first green onions for the table in spring. Price: Lb. 25c, prepaid—Not prepaid, 4 lbs. 65c, peck (7 lbs.) \$1.00, bu. (28 lbs.) \$3.75.

**SUMMER TOP SETS**—Earliest of all. Planted both for early green onions and for late eating stock. Price: Lb. 45c, prepaid—Not prepaid, 4 lbs. \$1.25.

**YELLOW MULTIPLIERS**—Price: Lb. 45c, prepaid—Not prepaid, 4 lbs. \$1.15.

**WHITE BOTTOM SETS**—Price: Lb. 30c, prepaid—Not prepaid, 4 lbs. 75c, peck \$1.40, bu. \$4.25.

**RED OR YELLOW BOTTOM SETS**—The onions commonly planted in the home garden, for early green onions, also for later use. Price, your choice of either variety: Lb. 25c, prepaid—Not prepaid, 4 lbs. 60c, peck, \$1.00, bu. \$3.75.

**GARLIC**—Used for soups, salads, etc. ½ lb. 25c, lb. 45c, prepaid—Not prepaid, 5 lbs. \$1.75.



Early White Welsh, the best "green onion."



# NORTHERN GROWN PEAS

Sow 1 pound for 50 feet of drill; 2 to 3 bushels per acre.

In order to have luscious, tender peas throughout the summer, even after hot weather sets in, plant all your peas early in spring, at the same time, using extra early, main crop, and late sorts. Peas require cool, moist weather and early planting, to develop their roots and set the crop. Peas may be planted as soon as the ground can be worked, from April 1 to May 15, in this latitude. By planting such varieties as Extra Early Six Weeks, Thomas Laxton, Early Bird, Potlatch and Quite Content, you can pick peas from your garden almost until fall.

**CULTURE**—Garden Peas do best in light rich soil, and are quite hardy, requiring fairly cool weather. The extra early varieties can be sown just as soon as the ground can be worked, early in April here. Sow in rows 24 to 26 inches apart, covering the seed about 2 inches deep. The tall varieties should be supported with brush, or twine and light stakes.

## F. S. & N. Co's. Succession Collection of Peas

**510. FRESH PEAS ALL SUMMER**—We have selected varieties which will mature in succession, and furnish a continuous supply of delicious peas.

<b>EXTRA EARLY SIX WEEKS</b> —Early.....	1 pkt. each 20c, prepaid.
<b>LITTLE MARVEL</b> —Midseason .....	1 lb. each 90c, prepaid.
<b>POTLATCH</b> —Late .....	2 lbs. each \$1.65, prepaid.

## Extra Early Peas

**448. EXTRA EARLY SIX WEEKS**—This is a semi-wrinkled variety, a rapid grower and heavy yielder, 15 to 18 inches tall. Pods are of medium size, and well filled with fine quality peas of delicious flavor. The seed of this variety has been reselected from Carter's Eight Weeks, and produces fine table peas 10 days to 2 weeks earlier than the latter. Plant Extra Six Weeks Peas, and have the earliest peas ever known. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. and more at 20c per lb.

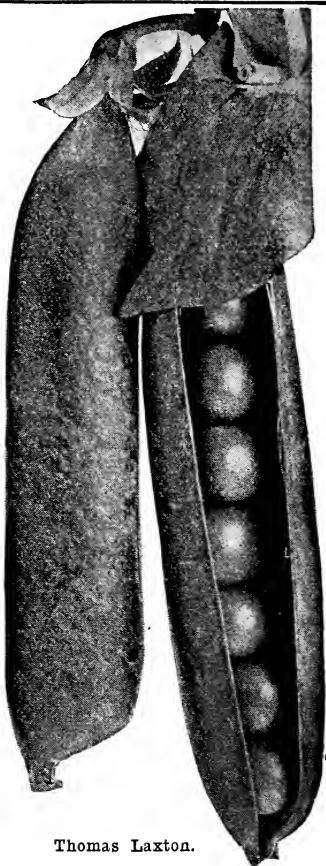
**458. EARLIEST AND SWEETEST**—Height 2 feet. This is a standard early variety. The earliest of all sweet, wrinkled sorts. This new variety is similar to the Alaska in size and form of the pod and in time of ripening, but has the tender quality and delicate flavor of the best wrinkled sorts. A favorite with canners on account of its fine flavor. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. and more at 20c per lb.

## Early Wrinkled Peas

**459. ★GRADUS OR PROSPERITY**—Height 3 to 3½ feet. An extra early wrinkled pea with immense pods, as large as those of the Telephone, which contain peas of superb quality, luscious and sweet. The vine is similar in appearance to the Telephone, the pods are well shaped, handsome; peas are large and of beautiful green color, which they retain after cooking. On account of its earliness, large sized pod and splendid quality this is fine for market. 2¼ oz. pkt. 10c, ½ lb. 20c, 1 lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. at 18c per lb.

**460. ★THOMAS LAXTON**—Height 3 to 3½ feet. An early wrinkled variety of great merit. Vines are strong, vigorous and dark green in color. Pods are large, long, with square ends, and of about the same size and quality as the late variety, the Champion of England. The peas are very large, fine colored and unsurpassed in quality. It is one of the most popular sorts for the market and home garden. 2¼ oz. pkt. 10c, ½ lb. 20c, 1 lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

**468. ★EARLY BIRD OR LAXTON'S SUPERB**—An extra early quality sort of the large podded wrinkled type, that produces peas for the table 57 days after planting. Vines are dwarf and vigorous, grow only 24 to 26 inches tall; pods are 4 to 5 inches long, dark green, and contain 6 or 7 large peas of delicious flavor. Early Bird is more productive than Eight Weeks, and of much better quality. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. and more at 20c per lb.



Thomas Laxton.

*We had some of your seeds last year and the Quite Content peas were surely fine—such good flavor and such big fellows.*  
Bert Peck, Wyoming, Ia.



Little Marvel.

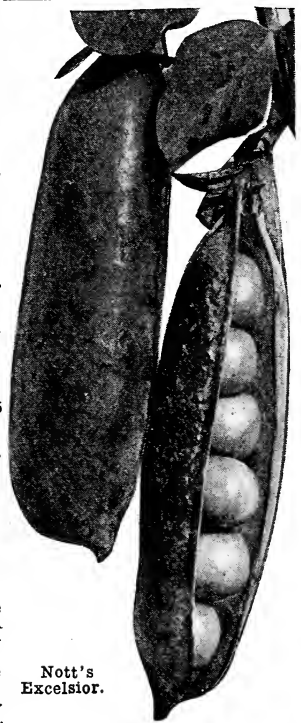
**470. ★GIANT LAXTONIAN**—The Dwarf Gradus Pea. Height about 16 inches. This is the largest podded early dwarf pea in existence, requiring no support. Pods are as large as Telephone, well filled with eight to ten large peas of delicious flavor. It is a true Marrowfat Pea, having the richness and unsurpassed quality of the best late Marrowfat varieties. The vines are vigorous, producing heavy crops. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. and more at 20c per lb.

**471. LITTLE MARVEL**—Grows about 18 inches in height. The vines grow very even and uniform, and produce good sized pods very abundantly, frequently in pairs. Pods are very well filled with delicious deep green peas and the crop is ready in 60 days. An extra quality pea for the home table. 2¼ oz. pkt. 10c, ½ lb. 25c, 1 lb. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. at 20c per lb.

**472. AMERICAN WONDER**—Height 12 to 15 inches. An old variety, well known and highly prized for its flavor and quality, which are of the very best. Of dwarf, robust habit and bearing in abundance large, well filled pods. 2¼ oz. pkt. 10c, ½ lb. 20c, 1 lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

**473. NOTT'S EXCELSIOR**—Almost as early as the smooth early peas, but of much better quality. Vines grow 15 inches high, bearing pods 3 inches long, each pod containing 5 to 7 tender delicious peas. Vines are vigorous and enormously prolific. A fine sort for the home garden. 1½ oz. pkt. 5c, ½ lb. 20c, 1 lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

**474. PREMIUM GEM**—Improved Little Gem. Height 15 to 18 inches. A trifle later than American Wonder; it is, however, a better yielder. Pods are 2½ to 3 inches long and are well filled with a fine quality of wrinkled peas. 1½ oz. pkt. 5c, ½ lb. 20c, 1 lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.



Nott's Excelsior.

## PEAS—Main Crop Sorts

**480. ★POTLATCH OR BIG DINNER**—This splendid variety ripens as early as Premium Gem, but the pods are much larger, usually borne in pairs and in the greatest profusion. Strong, vigorous vines of even growth, 18 to 20 inches in height, with luxuriant dark foliage, bearing pods  $3\frac{1}{2}$  to 4 inches in length, broad and pointed at the ends. No variety known will produce more pods, and no pods could possibly shell out better. Every gardener will find 'Potlatch' to be a profitable crop.  $2\frac{1}{4}$  oz. pkt. 10c,  $\frac{1}{2}$  lb. 20c, lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

**484. ★EVERBEARING**—Height  $2\frac{1}{2}$  feet. Vine stout, bearing an abundance of broad pods. If these are picked as they mature, and the season and soil are favorable, the plant will throw out new branches, bearing pods which will mature in succession, thus prolonging the season. The peas are very large, tender and of superior flavor.  $2\frac{1}{4}$  oz. pkt. 10c,  $\frac{1}{2}$  lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

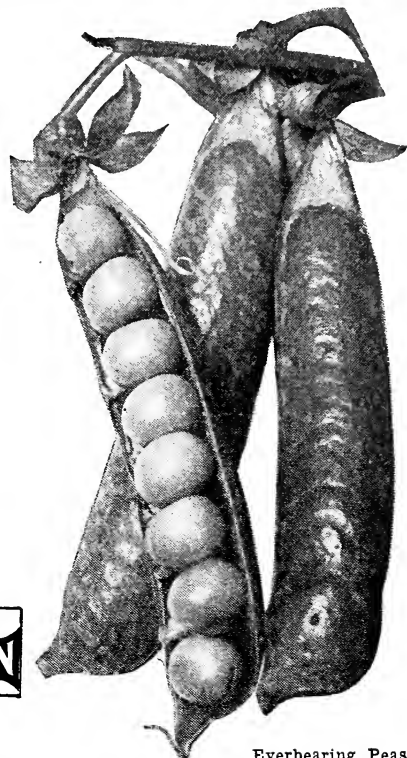
**486. ★DWARF TELEPHONE OR DAISY**—Height 18 inches. Excellent second early dwarf pea with immense pods and peas. A magnificent sort. The self-supporting stout plants are loaded with large, bright green pods, which are always well filled, each pod containing from 8 to 10 peas of bright green color, tender and of delicious flavor.  $2\frac{1}{4}$  oz. pkt. 10c,  $\frac{1}{2}$  lb. 20c, lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

**492. ★DWARF SUGAR**—Early and productive. Pods broad, flat and crooked. Cooked when young the same as string beans without shelling; sweet and tender. Pkt. 10c,  $\frac{1}{2}$  lb. 20c, lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

### Field Peas

**494. ★CANADA YELLOW**—The dry peas are of good size and excellent for cooking. Succeeds well most anywhere and is very prolific. Pkt. 5c,  $\frac{1}{2}$  lb. 15c, lb. 25c, prepaid.—Not prepaid, 5 lbs. 75c.

For prices on larger quantities see Farm Seed Department and Blue Figure Price List.



Everbearing Peas

Quite Content,  
the sweetest main  
crop Pea.



### Tall Peas for Main Crop

**501. ★QUITE CONTENT**—The favorite variety of most of our customers. We receive more compliments on our Quite Content peas than on all other sorts. The pods are larger and longer than those of any other pea in cultivation, often growing 6 to 7 inches long and containing 10 to 12 peas of the finest quality and flavor. This is a late variety with dark green foliage; the pods, also dark green, hang mostly in pairs and are borne in great profusion. It is a pea with which everyone will be 'Quite Content'—on account of its great productiveness and high market value, and its wonderfully fine flavor.  $2\frac{1}{4}$  oz. pkt. 10c,  $\frac{1}{2}$  lb. 25c, lb. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. and more at 20c per lb.

**503. ★ALDERMAN**—(Also called Improved Telephone and Admiral Dewey). Height 4 to 5 feet. The vines are remarkably healthy and vigorous, producing an abundance of pods of immense size, quite often measuring 6 inches in length, which are well filled with sweet and tender peas of the largest size. Foliage, vines and pods are of a rich dark green color. As a heavy cropper it beats all late varieties.  $2\frac{1}{4}$  oz. pkt. 10c,  $\frac{1}{2}$  lb. 20c, lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

**505. ★TELEPHONE**—Height 4 feet. On account of its beautiful large pods and high quality, one of the leading peas with market gardeners. Vines are vigorous and produce an abundance of very large pods, filled with immense peas, which are tender, sweet and of excellent flavor.  $2\frac{1}{4}$  oz. pkt. 10c,  $\frac{1}{2}$  lb. 25c, lb. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. and more at 20c per lb.

**506. ★CHAMPION OF ENGLAND**—Height 5 feet. Although one of the oldest of the tall growing late peas, it is one of the richest and best flavored varieties. The vigorous vines produce large pods of luscious peas in the greatest abundance.  $1\frac{1}{2}$  oz. pkt. 5c,  $\frac{1}{2}$  lb. 20c, lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

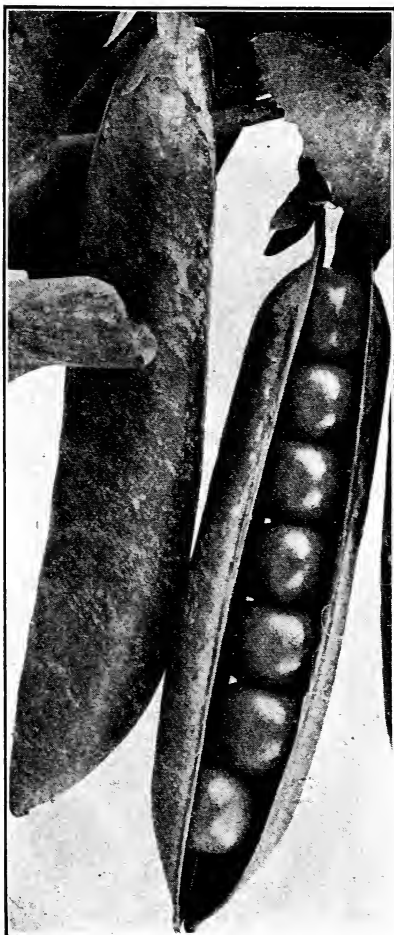
### Use Sacco To Boost Your Garden and Lawn

The best of seeds will fail if your soil is depleted. The days of applying stable manure are about gone. Now Sacco takes its place—it is so much easier to apply, entirely odorless, clean to handle and most effective.

Sacco will stimulate growth, hasten maturity, produce lovelier flowers and larger fruits and vegetables. Only two to four lbs. per hundred square feet are needed and the results are quickly noticed. Sacco contains all the required food elements in their proper proportion.

The 85c size—10 lbs.—sufficient to fertilize plot or lawn 20x25 ft. The \$1.75 size—25 lbs.—will cover 40x30 ft.

Price: 1 lb. can 25c, 5 lb. bag 50c, 10 lb. bag 85c, 25 lb. bag \$1.75, 50 lb. bag \$3.00, 100 lb. bag \$5.00. F. O. B. Faribault.



Potlatch, for main crops.

## PARSNIP

1 oz. for 200 feet of drill. 5-6 lbs. for an acre.

The parsnip is one of our most valuable root vegetables, because of its rich sweet flavor and high food value. Frost improves the flavor, and parsnips can be left in the ground all winter, to be harvested in spring when fresh vegetables are scarcest.

Parsnips do best in rich deep soil, but fresh manure should not be used. Seed germinates slowly, and may be sown early, in drills. Thin the plants to stand 4 or 5 inches.

**426. LONG SMOOTH OR HOLLOW CROWN**—A great cropper; tender, sugary and considered the best for general cultivation. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid.

**427. GUERNSEY**—The roots do not grow as long as those of the Hollow Crown, but are thicker and more easily gathered. They are very smooth and have fine grained flesh of excellent quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid.

## PARSLEY

One ounce will sow 150 feet of drill.

Parsley is indispensable for flavoring and for garnishing. The seed germinates slowly, in 2 or 3 weeks, and therefore should be soaked in warm water for a few hours before planting. Sow early in spring,  $\frac{1}{2}$  inch deep, in rich mellow soil, and when plants are of good size, thin to stand 8 inches apart in the rows. In the fall, a few plants may be set into pots, and taken indoors.

**430. \*CHAMPION MOSS CURLED**—A compact growing, finely cut and densely curled variety of a deep green color. Owing to its fine color and handsome foliage, it is one of the most popular sorts. Special gardeners' strain. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid.

**431. TURNIP-ROOTED OR HAMBURG**—The root is the edible portion of this variety and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to celeriac. Very hardy and should be cultivated like parsnip. Foliage same as Plain Parsley. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.20, prepaid.

## OKRA

The young seed pods of this plant are used for the well known and delicious gumbo soups. Plant in spring as soon as danger of frost is past. Cultivate the same as corn.

**215. WHITE VELVET**—Height 3 $\frac{1}{2}$  feet; long white pods. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. 75c, prepaid.

**217. DWARF GREEN**—Grows low, is very productive. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. 75c, prepaid.



Moss Curled Parsley.



New Tomato Pepper.



Bull Nose Pepper.

Parsnip, Guernsey.

### 445. \*New Tomato Pepper

A delicious new vegetable with the general form of a tomato, but quite flat, and bright scarlet in color. Flesh is very thick, firm and meaty, and exceedingly sweet and mild. For salads, garnishes, pickles, and for baking, it surpasses the ordinary peppers.

The plants are quite dwarf, very compact, with fine foliage like that of pepper, and produce from 12 to 20 fruits each. The peppers ripen perfectly after being picked in fall. Pkt. 15c,  $\frac{1}{4}$  oz. 30c, oz. \$1.00.

PEPPER PLANTS, see page 30.

## PEPPER

One ounce of seed for 1,000 to 1,500 plants.

Sow seed in flats or in the hotbed in March, and transplant seedlings, when 3 or 4 inches high, to other flats or to paper pots. About the last of May, transplant to the garden, in rich, well prepared soil, setting the plants in rows 3 feet apart, 20 inches apart in the rows.

The large sweet peppers are used for salads and for stuffing, and the hot peppers in sauces and pickles.

**303. PIMIENTO OR PERFECTION**—This is the mildest and sweetest pepper grown, and very prolific, with very thick mild flesh. It is of medium size, rather elongated, and tapering to a sharp point. When ripe, the peppers are brilliant scarlet and very attractive. Pimiento is a late maturing variety, and should be started indoors, here in the North. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00, prepaid.

**433. CAYENNE**—Long, slender pods which taper to a point. Bright red when ripe, and very pungent. The best hot pepper for seasoning, pickles and pepper sauce. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25, prepaid.

**434. HARRIS' EARLY GIANT**—Earlier than any other large sort. Plants are vigorous and very productive. Fruit is 5 inches long and 3 $\frac{1}{2}$  inches thick; color is deep green turning to red when ripe. The flesh is thick, mild flavored and very sweet. One of the best peppers for the home garden and market gardener. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.65, prepaid.

**435. \*CHINESE GIANT**—This desirable variety is undoubtedly the largest sweet pepper ever offered. The flesh is quite thick, very mild and remarkably sweet. The plants are of strong, stocky growth, of bushy, erect habit, growing 18 inches to 2 feet in height, setting 3 to 4 extra large fruits at the base, quite early in the season, which ripen while a second crop is setting on the branches. The fruit is quite square in appearance. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.65, prepaid.

**437. \*BULL NOSE OR IMPROVED LARGE BELL**—The sweet, scarlet fruits are 3 inches in length and 2 inches in diameter, with thick mild flesh; of excellent quality for use in salads and pickles. A most popular and desirable sort; one of the best to grow for the market. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.15, prepaid.

**442. RUBY KING**—Handsome, extra large, scarlet fruits. Flesh thick, sweet and mild. A favorite sort. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. 90c, prepaid.

F. S. & N. Co., Faribault, Minn.

I got some of your Onion Seed last year and raised green onions to sell at 5c per bunch. I sold \$60.00 worth last season. Be sure to send your 1930 catalog.

Claudia Thompson, R. 3, Box 12, Ft. Ripley, Minn.



Early Saxa.

**540. CRIMSON GIANT**—This radish differs from all other forcing varieties in that its roots attain more than double the size without getting pithy or hollow. It is very early notwithstanding its size. Color crimson; flesh pure white and of the best quality. Fine for outdoors and forcing. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.

**544. ALL SEASONS OR ROUND SCARLET CHINA**—A most satisfactory radish, especially for late planting, round, bright scarlet in color and of exceptional flavor. Always crisp and tender, never gets woody during a droughty season. It is without doubt just as the name implies—the best All Season Radish in cultivation. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**547. EARLY LONG SCARLET, SHORT TOP**—The long, slender, handsomely colored roots are most attractive in appearance, crisp, brittle, and of the choicest quality. They attain a length of 5 to 6 in. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.10.

**91. JAPANESE MIKADO**—A pure white radish—will grow from one to two ft. long. Flesh is solid and of fine, mild flavor. The Orientals use this for boiling with meat, or a vegetable and oyster stew. Everybody gets a thrill out of growing something different. On page 6 are described other outstanding varieties of Oriental vegetables. The Japanese Mikado Radish should not be sown until July. Pkt. 10c, oz. 20c, ¼ lb. 50c, prepaid.

**527. EARLIEST ERFURT**—The earliest variety of excellent quality. The roots are small, nearly round, of bright scarlet color, with very small tops; the flesh is white, crisp and tender. Fine for outdoor growing and one of the best for forcing, being fit for table in 16 to 20 days. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**529. ★SPARKLER**—Popular on account of its beautiful color, quick growth and fine qualities. Bright red with a large white tip, covering fully one-third of the roots. This variety has small tops, and is good for forcing in frames, also for growing outdoors. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.25, prepaid.

#### 542. Mixed Radishes

This mixture contains early, summer, and winter varieties; all kinds, colors and shapes, a large assortment, ready for the table, early, medium and late. You always have some that are just right, sweet, tender and juicy. This mixture is for a small garden, where space is limited and one sowing does for the whole season. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.

#### Winter Radishes

One ounce will sow 100 feet of drill.

Winter radishes should not be sown until late in June. They can be used as soon as they are large enough. They grow considerably larger than spring radishes, but are of mild, tender quality.

For winter use, the radishes should be dug and stored in sand, the same as other root vegetables.

**555. CALIFORNIA WHITE MAMMOTH**—Long, white, of large size. A good keeper; flesh tender and crisp. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**558. ROSE CHINA**—Medium size, large at the bottom, tapering abruptly to a small top; color deep rose. Flesh white, firm, and pungent. Fine keeper. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00.

**559. LONG BLACK SPANISH**—Keeps longest of all winter radishes. Skin black; flesh white, crisp, quite pungent. Grows 10 to 12 inches long and has a diameter of from 2 to 3 inches. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**560. ★ROUND BLACK SPANISH**—Similar to Long Black, except in shape. Matures a little earlier. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

## RADISHES

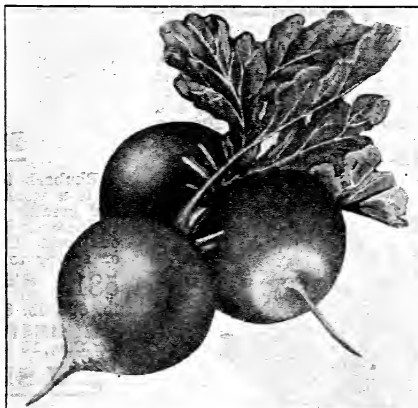
One ounce will sow 100 feet of drill, 9 to 10 pounds per acre. For first crop sow as early in the spring as the ground can be worked, and every two weeks thruout the season, for succession. A warm, sandy loam is the best. Sow in drills 10 to 12 inches apart. The winter varieties should be sown late in June. Take them up before severe freezing and store in sand in the cellar or in a pit, where they will keep tender and crisp all winter.

**535. ★IMPROVED EARLY SCARLET GLOBE**—The leading variety of radishes for market gardeners; equally as good for forcing as for open garden culture. A very handsome radish of rich, bright scarlet color and oval shape, with very small tops; the flesh is delightfully crisp, juicy and tender. Extra early, fit to be pulled in about three weeks. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.10, prepaid.

**546. ★ICICLE**—The finest white radish. Planted in the spring the radishes are ready for use in 20 to 25 days; their long, slender form and pure paper-white skin make them most attractive. The flesh remains crisp and tender until the roots attain a large size. Well adapted for forcing purposes as well as for successive sowing in the open ground. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**525. EARLY SCARLET TURNIP**—An extremely early strain of the well known Early Scarlet Turnip, that is ready for the table in 20 days. Its bright color, earliness and crisp tender white flesh will make it a leader, both for market and home garden use. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**526. ★EARLY SCARLET TURNIP WHITE TIP**—The radish is a bright scarlet with a white tip, and a beautiful shape; flesh white, crisp and finely flavored. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.



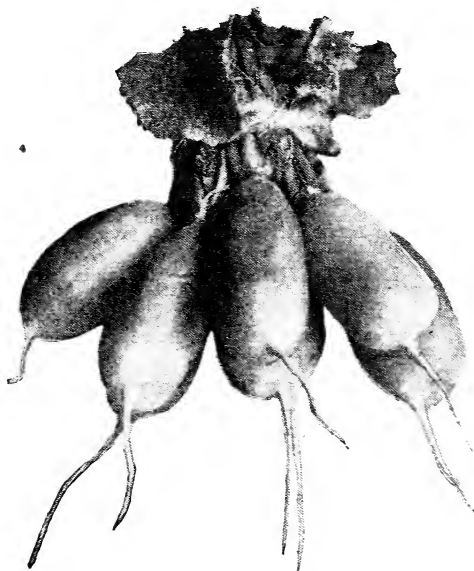
White Tip Red Sparkler.

MARKET GARDENERS, send for our  
SPECIAL GARDENERS' PRICE LIST.

**530. EARLY SAXA**—The earliest of all forcing radishes. Round, bright scarlet, with the smallest possible tops. Exceptionally crisp and tender and of fine flavor. An excellent early market variety and slow to shoot to seed. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**538. ★FRENCH BREAKFAST**—A quick growing, medium sized radish, oblong in shape; color a beautiful scarlet, except near the tip where it is pure white. French Breakfast is ready for the table in 22 days and sells readily on the market. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**RADISHES STIMULATE THE APPETITE, AND CONTAIN VALUABLE VITAMINS.** Sow round or globe varieties for the first crop. Long types do not grow so fast, and endure more heat. Sow Winter Radishes the latter part of June, and store in fall like carrots.



French Breakfast



# SPINACH

One ounce of seed for 100 foot row; 12 to 15 pounds per acre or 30 pounds broadcast.

Succeeds best on rich, well drained soil. Sow early in spring, one inch deep, in rows 12 to 15 inches apart. For succession sow every two weeks until June. For early spring use sow in August and cover over winter.

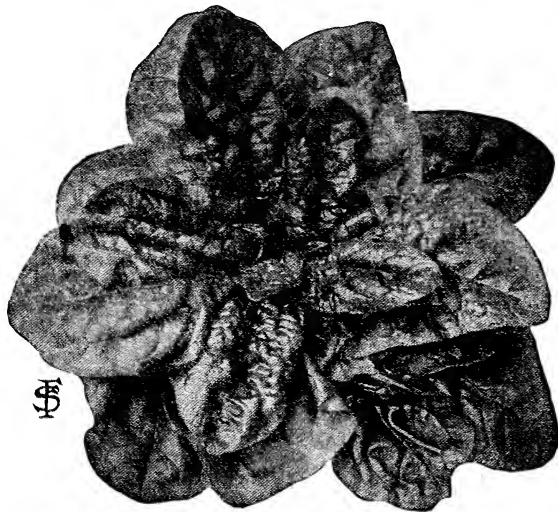
**584. ★KING OF DENMARK**—A fine new spinach, that is very slow to go to seed, and keeps in good condition for use weeks after other varieties have gone to seed. It is early and makes a quick low growth. The leaves are of dark green color, very large and succulent, being much crumpled. They hold up well after being cut. Because of its long keeping qualities and fine flavor, this variety will replace other varieties, for home garden and market. Pkt. 10c, oz. 15c ¼ lb. 25c, lb. 60c, prepaid.

**585. ★PRINCESS JULIANA**—A new type of the Long Season spinach, that is very slow to go to seed. It is a vigorous growing variety, with leaves of good size, very dark green, well crumpled and thick. It is a second early variety, with leaves growing close to the ground, and remains in good condition for table use a long time. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 55c, prepaid.

**586. BLOOMSDALE SAVOY LEAVED**—The earliest variety and one of the best to plant in autumn for early spring use. Plants of upright growth, with medium sized, dark green, pointed leaves which are crumpled or blistered like those of Savoy cabbage. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.

**589. ★NEW ZEALAND (Everlasting Spinach)**—An excellent, half hardy variety that is especially valuable for hot weather planting, and for poor soil, where other sorts do not grow. The plants are of quick, vigorous growth, do not run to seed, and withstand drought well. The leaves are tender and of good flavor. If the young shoots and leaves are pinched back, as required for table use, the plants will produce new growth, and one seeding will be sufficient for the entire season. Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 90c, prepaid.

**SWISS CHARD OR SPINACH BEET**—See Beets, page 6.



Spinach, Bloomsdale.

## RHUBARB or PIE PLANT

Rhubarb furnishes the first fruit of the garden in early spring. It is a wonderful spring tonic and very healthful. Easy to grow and greatly prized for sauce and pies.

Succeeds best in deep rich soil. Sow in spring in drills, cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds.

**581. RED WINE**—Larger than the above, a good seller in all markets; of excellent quality. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

**RHUBARB ROOTS**—Extra strong two year old, each 15c, 3 for 35c, 12 for \$1.00, postpaid.

## SALSIFY or VEGETABLE OYSTER

An ounce of seed will sow 50 feet of drill.

A wholesome and delicious vegetable, with mild oyster-like flavor when boiled. The roots may be cooked with a cream sauce, or sliced and fried, and make delicious soup. Sow in deep drills, in light rich soil, very early. The roots are perfectly hardy, and may remain in the ground all winter.

**592. MAMMOTH SANDWICH ISLAND**—Roots of large size, tender quality and good flavor. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.25, prepaid.



New Zealand Spinach.

## PEANUTS

Peanuts are a leguminous crop, the same as beans and peas, and valuable as fertilizing and forage crops. They require about the same care, and the planting season is the same as for corn. The shells must be removed before planting. Pods are borne beneath the ground. Peanuts are an interesting crop to grow, especially for children's gardens.

**514. EARLY SPANISH**—The earliest variety, and best for the North. Plants are upright and compact, with small pods and nuts of fine flavor. Large pkt. 10c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.15.

**515. LARGE VIRGINIA**—The main crop peanut, and the most extensively grown. Plants are erect, and of vigorous, rapid growth, with very large pods and nuts. An excellent variety for dry, sandy soil. Large pkt. 10c, lb. 35c, prepaid.—Not prepaid, 5 lbs. for \$1.15.

## GARDEN SUGGESTIONS

Make at least two plantings of Beans, Peas, Sweet Corn, in order to prolong the season. Plan for enough for canning, also.

Sow plenty of Beets, Carrots, Onions, Celery, and Rutabagas, for winter storage.

You can use some of the garden space twice—Radishes, Early Lettuce, Early Peas, etc., may be followed by Celery Cabbage, Tomatoes, Cabbage, Turnips, or another crop of Radishes and Lettuce may be grown.



Large Virginia Peanuts.

## TOBACCO

One ounce of seed will produce enough plants for one acre.

**519. CONNECTICUT SEED LEAF**—One of the most reliable, standard sorts, best adapted to the middle and northern states. Pkt. 10c, ½ oz. 25c, oz. 40c, prepaid.

**520. WHITE BURLEY**—A profitable, dependable variety, both for the market and the home garden. The broad, porous leaves are much used for wrappers. Pkt. 10c, ½ oz. 25c, oz. 40c, prepaid.

**521. MIXED TOBACCO** — Pkt. 10c, oz. 25c, prepaid.

Eat iron foods to remove waste material and clean the blood stream. They are beets, lettuce, raw carrots, raw cabbage, spinach, currants, blackberries, strawberries, cherries.

*Want to thank you for the excellent quality seeds I have received from you the past years. Want to send a larger order later on.*

Mrs. P. C. Anderson,  
Farwell, Minn., R. 2, Box 77.

# SQUASH

One ounce of seed to 50 hills, according to the size of the seed, 3-4 lbs. in hills per acre.

**CULTURE**—Plant seed in extra fertile soil when danger of frost is past. The vining varieties should be planted in hills 8 or 10 feet apart each way, and the bush varieties from 4 to 5 feet. For running varieties, use  $3\frac{1}{2}$  to 4 pounds of seed per acre; bush varieties require 6 pounds of seed per acre.

A handful of tobacco dust thrown close to the plants will repel the squash vine borer. The only way to control the large black squash bug is by hand picking. For yellow striped beetle and blight, spray often with Evergreen, Bordeaux or Arsenate of Lead.

## Summer Varieties

**595. ★GIANT YELLOW SUMMER CROOKNECK**—This strain is equally as early as the common small-fruited variety, while the squashes grow to much larger size, measuring from 18 inches to 2 feet in length. A great favorite with market gardeners. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.10, prepaid.

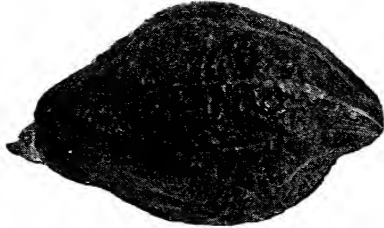
**596. EARLY WHITE BUSH SCALLOPED**—The plants are of true bush growth, producing fruits early in the summer, which are clear, waxy white; excellent for table use. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.10, prepaid.

**603. GOLDEN GUSTARD**—The fruits are large, flat and the edges scalloped, and inclined to be a little warted. The vines are bushy, and produce heavily. Quality is very fine. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25, prepaid.

## Mammoth Varieties

**602. MAMMOTH WHALE**—This is the "Jumbo" of the squash family and attracts attention wherever grown or exhibited. It is an extra large fruited sort, frequently attaining more than 100 pounds in weight. The skin is dark olivegreen, with stripes of a lighter tinge. Flesh firm and solid, beautiful orange yellow and of excellent quality. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75, prepaid.

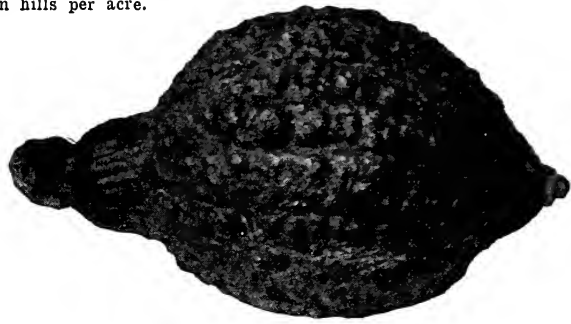
**608. MIXED SQUASHES**—A good mixture to sow in the small garden, as it contains some of all of the above varieties, summer squashes, Hubbard, and the giant sorts grown for stock or exhibition purposes. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c, prepaid.



Kitchenette, New Individual Squash.

*The dollars worth of Table Queen Squash Seed I ordered from you last May brought me in over \$350.00 worth of marketable squash, although I planted late and at least 3,000 failed to mature on account of October frosts. I sold them at retail in the Seattle market and got good prices.*

*E. A. Throckmorton, R. 5, Seattle, Wash.*



Chicago Warted Hubbard Squash.

## Hubbard Squash for Winter

**598. ★CHICAGO WARTED HUBBARD**—The ideal winter squash for the home or the market. This strain of the well known Hubbard was produced by careful selection of large, dark green, very warted specimens of the old variety. The vine has a strong, robust growth. The fruits are large, handsomely shaped, with dark green, heavily warted skin and with flesh of bright orange yellow color, fine grained, dry and of sweet, rich flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.25, prepaid.

**599. HUBBARD**—The original Hubbard; is similar to the above, but smoother and not quite so large. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid.

**600. GOLDEN HUBBARD**—This is a true Hubbard squash, except in color, which is orange red. The fruits are very uniform in size, weighing from 6 to 8 pounds, and in shape are like the Hubbard. Although in condition for use much earlier, they are wonderfully long keepers. The flesh is a deep orange and uniformly so to the shell; it cooks very dry, is fine grained and well flavored. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. \$1.25, prepaid.

## New Individual Squashes

**605. ★TABLE QUEEN OR DES MOINES**—Illustrated page 34. A new dwarf squash, second to none in quality and most popular with the housewife. A prolific squash of delicious flavor and fine cooking quality. The dark green fruits are a nice size to handle and to serve, 6-8 inches long and 4-6 inches in diameter. Each squash is cut in half and serves two people. Table Queen ripens in the fall. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75, prepaid.

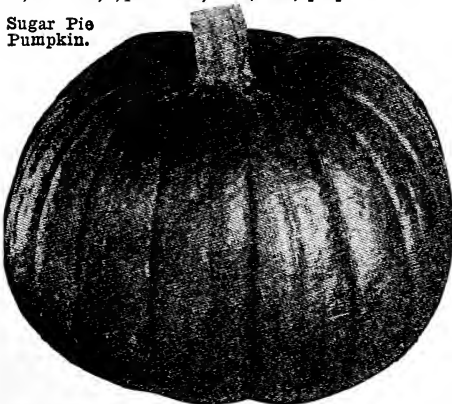
**607. KITCHENETTE**—A new Dwarf Hubbard from the Minnesota Experiment Station that combines the better qualities of several varieties. Has the size of the Table Queen, the delightful flavor of the Delicious, keeping qualities and yield of Hubbard. Kitchenette runs 5 to 7 pounds. The quality is splendid—it cooks up mealy and dry, with a delicious nutty flavor. Just the right size for average family use and a favorite with market gardeners. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75, prepaid.

# PUMPKIN

An ounce will plant 50 hills, 4 lbs. per acre.

**565. SUGAR PIE**—This is a small, sweet pumpkin, very fine grained, and most deliciously sweet-flavored. It is a splendid keeper all through the winter. The fruits average about 10 inches in diameter, are of a round, flattened shape, deep orange-yellow color, and very attractive. Succeed in any location. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid.

Sugar Pie Pumpkin.



**572. CONNECTICUT FIELD**—An immensely productive, large orange colored field pumpkin, usually grown for stock feeding, but also making good pies. This variety is also known as the Large Cheese Pumpkin. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 70c, prepaid.—Not prepaid, 5 lbs. \$2.50, 10 lbs. \$4.50.

**573. KENTUCKY FIELD**—Of large size, about two feet in diameter, round, flattened, hardy and productive. A fine sort for family and market use. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 70c, prepaid.—Not prepaid, 5 lbs. \$2.50, 10 lbs. \$4.50.

**574. MAMMOTH KING OR JUMBO**—Form like that of an immense nutmeg musk melon with depressed ends slightly ribbed; the fruits sometimes grow three feet or more in diameter and weigh over 100 lbs. Have salmon colored skin and bright yellow flesh, fair quality; good winter food for stock. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50, prepaid.

**575. MAMMOTH TOURS**—Of immense size, often weighing over 100 pounds; oblong; skin is pale green, marbled deeper green, smooth and slightly ribbed. Flesh is yellow, and good for feeding stock and for exhibition purposes. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50, prepaid.

**576. PRIZE COLLECTION MIXTURE**—A mixture of the best varieties described above, all shapes and sizes, large and small. This collection is sure to please and give surprising results. Just the thing for growing varieties to exhibit at county or state fairs. There is bound to be a prize winner in the collection. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c, prepaid.—Not prepaid, 5 lbs. \$2.50.

*I have the pleasure to inform you that I received 7 prizes, 3 first and 4 second, at the Lincoln Co. Fair, Lennox, S. D. My exhibits consisted of early, medium and late cabbage, carrots, beets, and onions, all raised from seed purchased of your firm. I enclose a picture of my onion patch.*

*Matthias C. Tonderum, Worthing, S. D.*

# SWEET CORN

One pound of seed will plant 100 hills; use 12 pounds per acre.

**CULTURE**—A rich warm soil will give the best results, but excellent Sweet Corn can be raised on any good soil if the ground is deeply and thoroughly worked before planting.

Plant in hills 3 to 3½ ft. apart each way or sow in rows 3½ ft. apart, placing the seed about 8 inches apart in the rows. The first planting may be done as soon as danger of frost is past; for succession, plant every two weeks until July. Give frequent and thorough but shallow cultivation.

## Early Varieties

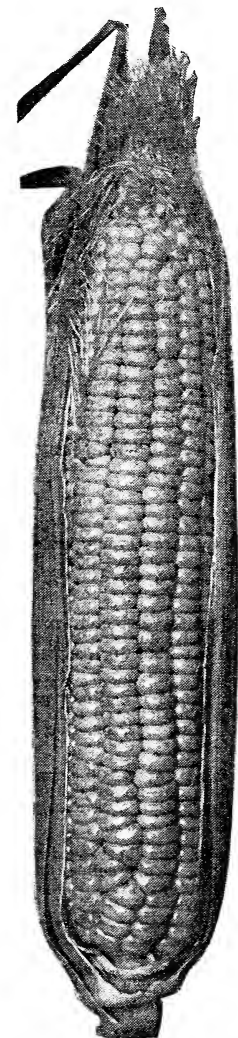
**223. EARLY SUNSHINE**—An outstanding new variety of yellow corn, of exceptional merit, introduced last year. It was originated by Prof. Yaeger, of the North Dakota Agricultural College. The ears are bigger than those of Golden Bantam, are 16 rowed, and of deliciously rich flavor, light yellow in color. Sunshine is ready for use 6 to 10 days earlier than Bantam. The stalks are quite dwarf, with the ears set only 2½ to 3 feet from the ground, usually 2 ears to a stalk.

Our seed was produced from seed stock obtained from the originator, and is true to name. 2¼ oz. pkt. 10c, ½ lb. 25c, 1b. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.50, 15 lbs. and more at 25c per lb.

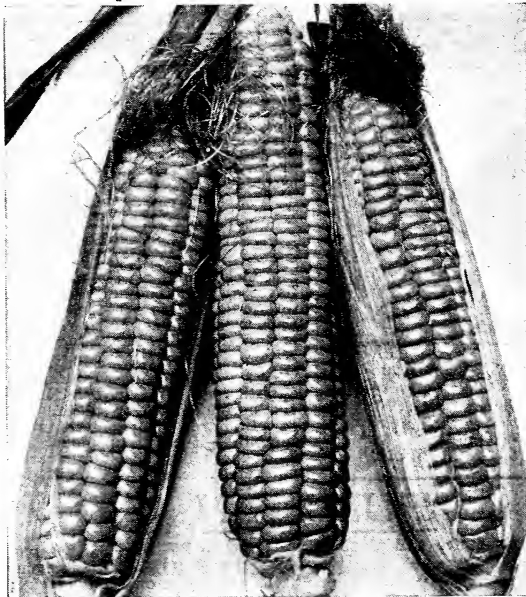
**226. GOLDEN BANTAM**—The finest of all sweet corn, and the most popular variety ever grown. To most home gardeners, sweet corn means Golden Bantam. It is only a few days later than Mammoth White Cory. The ears are borne 2 or 3 to a stalk, on stalks about 4 feet high. They are quite small, 5 to 7 inches long, with 8 rows of deep golden yellow kernels. Golden Bantam is the richest and sweetest of all sweet corn.

The demand for Golden Bantam is so great that market gardeners and canners now plant large acreages of it. The seed we offer is grown from specially selected stock, and is all produced in Rice and the adjoining counties. It is therefore much harder, earlier in maturing, and of finer quality and flavor than sweet corn grown elsewhere. 2¼ oz. pkt. 10c, ½ lb. 20c, 1b. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.00, 15 lbs. or more at 16c per lb.

**228. SWEET ORANGE**—Just a bit later than Golden Bantam and luckily fills out the season with a real quality golden color Sweet Corn. Its flavor is superb. In size it is larger than Golden Bantam or Early Sunshine—is 16 rowed and is eagerly sought for on the market. Gardeners come here for many miles to get Sweet Orange Seed—it sells on sight and no finer corn can be grown in any garden. 2¼ oz. pkt. 10c, ½ lb. 25c, 1b. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.50, 15 lbs. and more at 25c per lb. Illustrated on first inside cover.



Early Sunshine, the Earliest  
REAL Sweet Corn.



Golden Bantam, The Most Delicious Yellow Sweet Corn.

Treat Sweet Corn with Bayer Dip Dust.

Bayer Dust destroys rot organisms on corn, protects the seedlings against diseases in the soil, stimulates germination and strengthens the seedlings. It prevents rot and blight. See page 50.

**230. ★MAMMOTH WHITE CORY**—The largest and best early variety. Each stalk produces two or more large, fine shaped ears, which are fit for use before those of any other large sorts. The ears are 12-rowed, very symmetrical and handsome, with no openings between the rows at the base. The kernel is large, broad, very white and of remarkably good quality. The best variety for the northern garden, and now extensively grown for early corn by market gardeners in this state. 1½ oz. pkt. 5c, ½ lb., 20c, 1b. 30c, 2 lbs. 50c, prepaid.—Not prepaid, 5 lbs. \$1.00, 15 lbs. or more at 16c per lb.

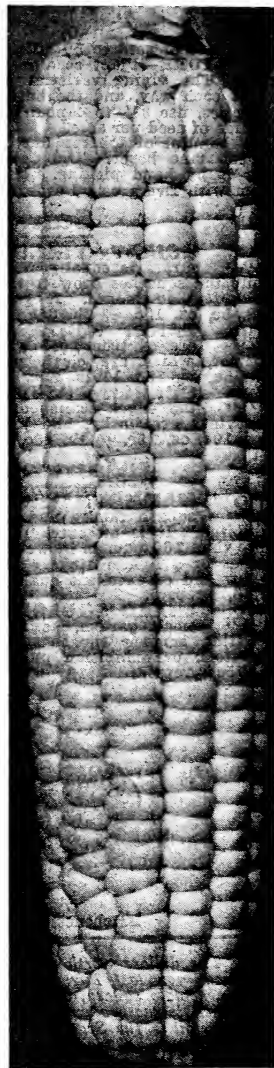
**231. EARLY MINNESOTA**—This old and deservedly popular variety is one of the best early sorts for the market and private garden. The stalks grow about five feet high, bearing one or two ears, which are long and 8-rowed. Kernels are very broad, sweet and tender, not shrinking much in drying. Our stock will be found uniform and of the best quality. 1½ oz. pkt. 5c, ½ lb. 20c, 1b. 30c, prepaid.—Not prepaid, 5 lbs. \$1.00, 15 lbs. or more at 16c per lb.

## NO. 244—OUR SUMMER LONG SWEET CORN COLLECTION.

Now you can pick fresh Sweet Corn throughout the summer and how good that flavor can be if picked just an hour before using. It's easy to arrange this at planting time, and to help you, here is a collection that may be planted at the same time and will keep your table supplied with the finest Sweet Corn all summer.

No. 1—Early Golden Sunshine, Extra early.	1 pkt. of each of these 3 varieties.....	25c
No. 2—Golden Bantam, Medium early.	½ lb. of each of these 3 varieties.....	50c
No. 3—Stowells Evergreen, Late.	1 lb. of each of these three varieties.....	90c

Prepaid.



Stowell's Evergreen.

## Gopher Kill-Em-Quick

A quick acting poison that kills gophers instantly. Protect your corn and other crops with Kill-Em-Quick. Economical and simple to use. Price: Small size 60c, large size \$1.10, ppd.



## SWEET CORN—Late Varieties

**242. \*STOWELL'S EVERGREEN**—Recognized everywhere as the standard variety for market and home use. Remains longer in the green state than most other sorts. Very large ears with deep and remarkably sweet grains. Our stock is of the best quality grown from selected ears. 2¼ oz. pkt. 10c, ½ lb. 20c, lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.00, 15 lbs. and more at 16c per lb.

**243. COUNTRY GENTLEMAN**—One of the sweetest and most delicious of all sweet corn. It is extremely productive, the stalks averaging three ears, sometimes having as many as five. The small, irregular kernels are very deep and pure white in color. Ears average nine inches in length. 2¼ oz. pkt. 10c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

**EVERGREEN SWEET FODDER CORN**  
A strain of sweet corn grown especially for fodder. Stalks are sweet, tender and nutritious, high in feeding value for cattle. Grows 9 to 10 feet high. For prices, see Blue Figure Price List.

F. S. & N. Co.,

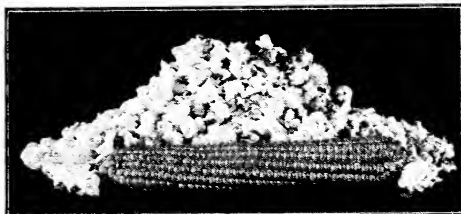
*Among the seeds purchased from your company, wish to say that the two varieties of Sweet Corn, Early Sunshine and Early Golden Sugar, were the most satisfactory varieties I ever tried out from standpoint of hardiness, earliness and quality; they surely made a good showing. Other varieties of seeds also gave good satisfaction.*

C. E. Ellenwood, Lakeview, Mich.

## POP CORN

Pop corn is a profitable crop and one that is always easily disposed of, because of the large demand for corn for popping. It yields well even in unfavorable corn seasons. It is an excellent crop for the boys and girls to grow, and yields almost as much good fodder as field corn.

Plant 12 pounds to the acre, in drills, or use 6 pounds if planted in hills. Plant in rows 3 feet apart, dropping the seed 1½ feet apart in the rows.



New Dynamite Pop Corn.

**248. GOLDEN BANTAM POP CORN**—A cross between Golden Bantam Sweet Corn and Japanese Hulless Pop Corn. It has the fluffy crispness and exceptional tenderness of the Japanese Hulless, combined with the fine flavor and rich cream color of Golden Bantam Sweet Corn. Ears are longer than Japanese Hulless, slightly tapering, kernels similar to Japanese Hulless. Pkt. 10c, ½ lb. 25c, lb. 45c, 2 lbs. 75c, prepaid.—Not prepaid, 5 lbs. \$1.25, 15 lbs. and more at 20c per lb.

**249. JAPANESE HULLESS**—This dwarf corn is used extensively by pop corn venders. The ears are only 2 to 3 inches long, but every kernel on the cob will pop, so there is no waste. Japanese Hulless Pop Corn is almost again as productive as White Rice. The kernels are longer and more slender, and have no hulls. 2¼ oz. pkt. 10c, lb. 30c, 2 lbs. 50c, prepaid.—Not prepaid, 5 lbs. 90c, 15 lbs. and more at 16c per lb.

## RAPID FIRE POPPING CORN

Everybody likes Pop Corn—you can't eat too much and it is the least expensive of all confections. Serve pop corn balls, crackerjack, sugar corn, or just well buttered pop corn and provide a real treat on a few moments' notice. We recommend especially Japanese Rice or Queens Golden Rice which are practically hullless—of fine flavor, exceptionally crisp and tender.

PRICE, NOT PREPAID:	5 lbs.	10 lbs.
New Dynamite .....	\$1.20	\$2.00
Japanese Hulless .....	.75	1.25
Queen's Golden .....	.75	1.25

Boys and Girls—Be sure to enter our Corn Growing Contest. Many fine prizes. No cost to enter. See page 64.

## Vegetable Quantities Required for an Average Garden

**BEETS—CARROTS—PARSNIPS**—One ounce seed for 50 ft. row, to produce about 2 bushels roots for winter use.

**WAX and GREEN POD BEANS**—One-half pound seed required for 20 ft. row, which will produce about 20 lbs. fresh beans.

**SWEET CORN**—Produces 2 ears per plant. Two packets to one-half pound of seed will make 20 to 50 ft. rows.

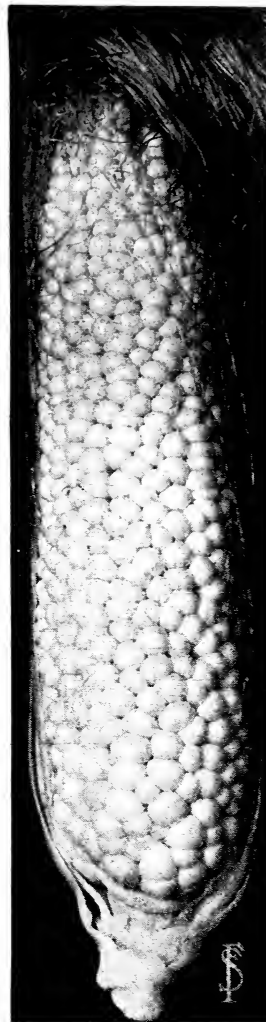
**LETTUCE**—Make 2 or 3 plantings of 10 ft. each, for all summer. Use one packet of each variety, or one ounce for 100 ft. row.

**ONIONS**—An ounce of seed, or two pounds sets, will provide enough for green onions and storage.

**SWISS CHARD, SPINACH**—An ounce of seed, for 10 to 15 ft. rows is enough for all summer.

**TOMATO**—The average plant produces 20 to 25 lbs. tomatoes. A packet of seed will produce 200 to 300 plants.

**TURNIPS, BUTABAGAS**—An ounce of seed produces 3 to 5 bushels of roots for storage.



Country Gentleman.



Japanese Hulless Popcorn.

# TOMATOES

## Culture

1 oz. for 1,500 plants— $\frac{1}{4}$  lb. to transplant an acre.

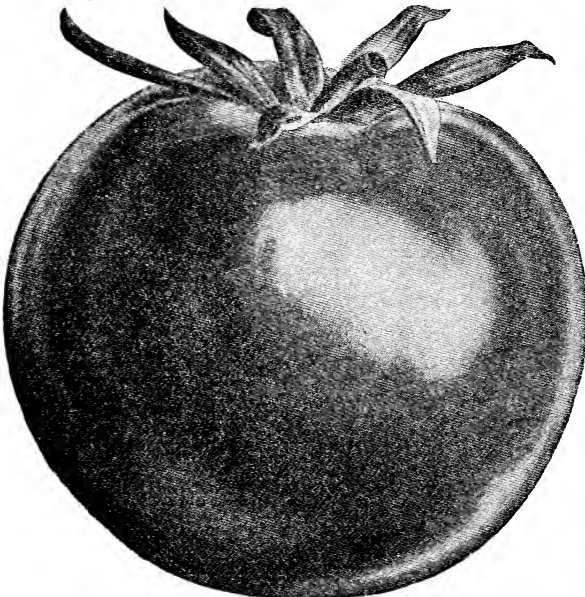
Tomatoes thrive best in well fertilized, light sandy soil, in a sunny open position. For early plants, sow the seed in flats or hot-beds, in March. Cover with soil to a depth of  $\frac{3}{4}$  or 1 inch. The seed germinates in 6 to 12 days. When the plants are 3 inches high, transplant them to other flats, or preferably to paper pots, giving each plant 4 inches of room. About the end of May, set the plants out in the garden, 3 feet apart each way. Water well and cultivate often, as long as the vines permit. It is always better to stake the vines and tie them up, pinching off some of the stems. The plants will bear more abundantly, and the fruit is kept off the ground.



Earliana.

**612. SPARK'S EARLIANA**—Next to our Scarlet Extra Early June, this is the earliest smooth bright red tomato of good size. Plants are compact in growth, with short, close-jointed branches, setting fruit very freely. Tomatoes are solid, fleshy, and excellent for shipping. Pkt. 5c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.15, prepaid.

**614. \*BURBANK**—A wonderful early variety that is blight resistant and a heavy yielder. Tomatoes are bright crimson, heavy and firm, medium to large in size, and very smooth. The skin is thick and peels freely from the flesh without scalding. There are no open cavities, and the seeds are few and small. The flesh is thick and solid, almost like beefsteak, and of fine, mild flavor. As a salad tomato, for eating raw, and for the market, Burbank has few equals. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, prepaid.



New Marglobe.

**613. \*NEW MARGLOBE**—This fine, new tomato was bred to resist wilt. It is therefore of special value in all sections where wilt is prevalent. The plant is very vigorous, with a strong hardy stem and abundant dark green foliage. It is a heavy producer, setting most of the fruit at the center of the plant.

Fruits are bright scarlet, quite large, average 7 to 8 ounces in weight and are almost perfectly globe shaped. The flesh is firm, thick and sweet, being very mildly acid, which fact makes it a most desirable tomato for table use and for canning. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50, prepaid.

**638. \*GOLOSSAL**—An immense handsome tomato ripening medium early. It is bright red, of truly mammoth size, often weighing 2 $\frac{1}{2}$  pounds, and round and smooth. Flesh is firm, solid and of finest quality and flavor, with very small core, making it one of the best for slicing. It is also one of the best for canning on account of being so nearly free from acid. Pkt. 10c,  $\frac{1}{2}$  oz. 35c, oz. 60c,  $\frac{1}{4}$  lb. \$2.00, prepaid.

**610. \*FARIBAUT DWARF CHAMPION**—An improved strain of the old Dwarf Champion, of vigorous growth and fine flavor. Because of its compact and upright habit of growth, enabling close planting, this is a great favorite with owners of small gardens. The tomatoes are of enormous size, like those of Ponderosa, deep purplish crimson, firm and sweet, very meaty and with few seeds. One of the best sorts for canning, ketchup, soup, etc. Plants grow 3 feet high, strong, erect, and bushy, and bear thruout the season. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50, prepaid.

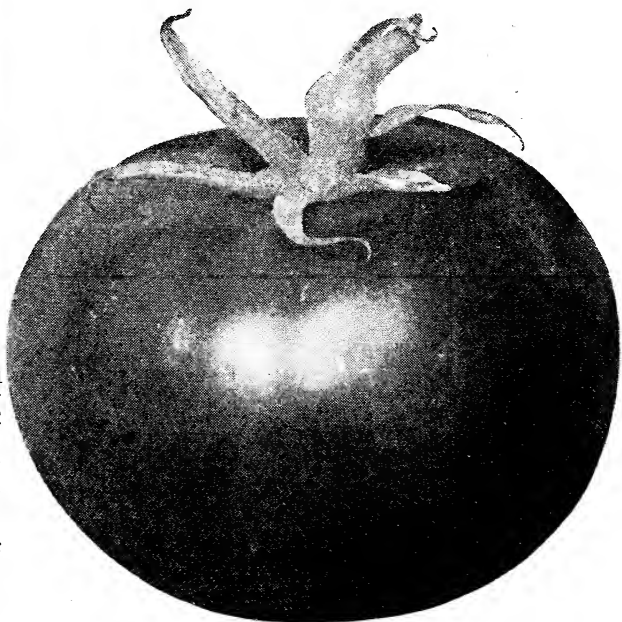
**611. \*SCARLET EXTRA EARLY JUNE**—This tomato ripens a whole week earlier than Earliana, and is very productive. Fruits are of large size for an early sort, deep glossy scarlet, and ripen uniformly, the stem end coloring up perfectly. Flavor is delicious, fruit is firm and meaty, with few seeds. A real quality tomato valuable for the home garden and truck gardener. Pkt. 10c,  $\frac{1}{2}$  oz. 30c, oz. 50c,  $\frac{1}{4}$  lb. \$1.75, prepaid. Illustrated on page 33.

**626. F. S. & N. CO'S STONE**—More largely grown than any other variety. Very popular with canners and market gardeners everywhere. We recommend this variety to all who want a large, smooth, late variety for the main crop. Fruits are of bright scarlet color, very large, round, slightly flattened and very smooth. Pkt. 5c,  $\frac{1}{2}$  oz. 20c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, prepaid.

**628. \*JOHN BAER**—A splendid early tomato, one of the very best in cultivation, producing bright red solid fruit early in season. It is enormously productive, often bearing 10 fruits in a cluster. Tomatoes are solid and meaty, with few seeds, and ripen right up to the stem, even when they are dead ripe, they do not burst open. The flavor is deliciously sweet and mild. This variety stands shipping and marketing well, and is also one of the most desirable for the home garden. Pkt. 5c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.15, lb. \$4.00, prepaid.

**635. BONNY BEST**—About as early as Earliana, and a most prolific bearer, as it sets 12 to 15 globe shaped scarlet fruits in the crown of the plant, which are all of the same size. It is a most desirable sort to grow for market, as it grades so evenly and ripens up evenly to the stem, without crack or black spot. Bonny Best is a good forcing sort for the greenhouse, and extra good for the home garden and market. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00, prepaid.

**636. CRIMSON CUSHION OR BEEFSTEAK**—Very large, round, and uniform, bright scarlet in color. Flesh is solid and meaty, of deliciously mild flavor, with only a few small seed cells. The vines grow from 8 to 10 inches high, and may be trained or tied to a trellis, forming a most ornamental fence for the vegetable garden. If planted early, Beefsteak will ripen by the middle of July, and continue to bear until killed by frost. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.50, prepaid.



John Baer Tomato, early, solid, productive.

# TOMATOES

**639. GIANT PONDEROSA**—The largest tomato grown, deep purple in color. A splendid sort for home use and canning, as the fruits are so solid, meaty, and free from acid. It ripens quite early, and bears all summer, until very late. Vines are vigorous and strong. We consider this one of the very best tomatoes grown. Pkt. 10c, ½ oz. 35c, oz. 60c, ¼ lb. \$2.00, prepaid.

**640. GOLDEN QUEEN**—A fine large yellow sort that ripens evenly. Fruit is smooth, of good quality and flavor. This tomato is fine for the home garden, for salad, and yields heavily. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, prepaid.

**641. PEACH**—The fruit is of uniform size, resembling a peach in shape, size and color. It is a profuse bearer, until killed by frost, and has an agreeable, very fine mild flavor. It is desirable for eating from the hand, as well as for canning. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, prepaid.

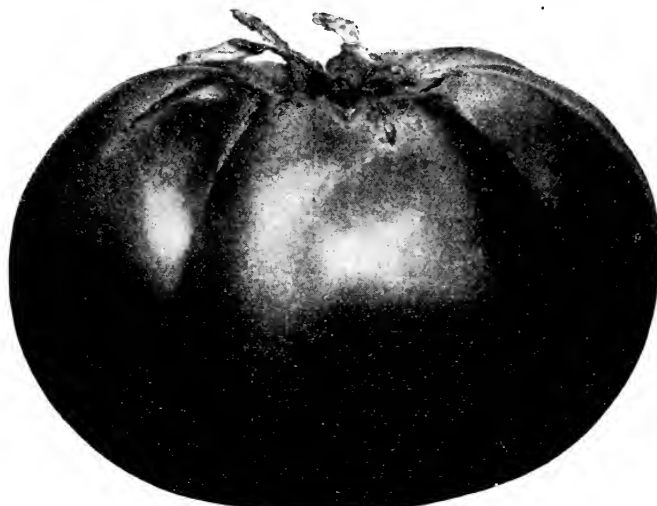
**642. GOLDEN PONDEROSA**—A beautiful salad tomato, of the same size, shape and habit of growth as the red Ponderosa, but a clear golden yellow. It is particularly attractive served with the red variety, in salads. The fruits are massive, firm and solid, very mildly acid, and of delicious flavor. Its fine quality is bringing it into popular favor as a table variety, and it is worthy of a place in every garden. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75, prepaid.

**653. GROUND CHERRY OR HUSK TOMATO**—The small yellow fruits are enclosed in husks, and are very sweet, with a strawberry-like flavor. They make delicious preserves, combined with oranges, lemons, or ginger, and, are sometimes dried in sugar, like raisins. Seed germinates very slowly. Pkt. 10c, ½ oz. 30c, oz. 50c, ¼ lb. \$1.75, postpaid.

## Small-Fruited Tomatoes

The fruits of these are largely used for making pickles, preserves, etc.

647. Plum Red.....Pkt. 10c, oz. 35c, ¼ lb. \$1.25  
649. Pear Yellow .....Pkt. 10c, oz. 35c, ¼ lb. \$1.25



Giant Ponderosa.

## TRANSPLANTED TOMATO PLANTS

The following varieties ready for shipment in May and June: Earliana, Ponderosa, Faribault Dwarf Champion, John Baer. 12 for 35c, 100 for \$2.25, prepaid.—Not prepaid, 1,000 for \$15.00.

For Cabbage, Cauliflower, Celery, Chives, Ground Cherry, Pepper, Sweet Potato and Egg Plants, see page 30.

# TURNIPS and RUTABAGAS

One ounce will sow 125 feet of drill, two pounds per acre in drills, three pounds broadcast. Please order by name and number.

**CULTURE**—Turnips and Rutabagas do best in highly enriched, light loam soil. In rich soil and cool weather, they grow rapidly, without becoming bitter in flavor. Sow in April, in drills 12 to 15 inches apart, and thin out to stand 8 inches apart in the row. Rutabagas keep much longer than Turnips, otherwise there is but little difference in flavor.



Improved Purple Top Rutabaga

**681. ★EXTRA EARLY PURPLE TOP MILAN TURNIP**—Like White Milan, except that the roots are purple on the upper portion. The Milan turnips are some of the very best extra early garden varieties we have. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**683. WHITE EGG TURNIP**—An early variety, adapted for either spring or fall sowing. It is perfectly smooth, with a clear white skin and flesh, and grows half out of the ground. A very fine kind for table use, being of excellent flavor, mild and sweet; roots look like huge white eggs. Six hundred bushels have been raised on an acre as a second crop. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, prepaid.

**685. PURPLE TOP WHITE GLOBE TURNIP**—The most popular market turnip. Roots are of globular shape, and good size, and in appearance are the best of all varieties. The flesh is firm, fine grained, white and of excellent flavor. It is a fine keeper and as desirable for table as for stock. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid. 5 lbs. at 45c per lb., not prepaid.

**686. ★EARLY PURPLE TOP STRAP LEAVED TURNIP**—A good flat variety, quite early, only about a week later than the Milan. Roots flat, medium sized, of purple or dark red color above the ground and white below; flesh white, fine grained and tender; leaves few, upright in growth. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid. 5 lbs. at 60c per lb., not prepaid.

**698. ★IMPROVED AMERICAN PURPLE TOP RUTABAGA**—Uniform in shape and fine quality, and is a splendid keeper. The roots grow to a large size, have small tops, short necks, and smooth skin; flesh is beautiful yellow, fine grained, very sweet, tender and of excellent flavor. This is about the best and most profitable variety, both for table use and stock feeding. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid. Not prepaid, 5 lbs. and more at 65c per lb.

**699. WHITE OR SWEET RUSSIAN RUTABAGA**—Very desirable either for the table or for stock. The tops are small, with leaves cut at the edges. The roots are very large, nearly globe shaped, color white with green or bronze at the top. Flesh white, very firm and sweet. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid. Not prepaid, 5 lbs. and more at 55c per lb.

**700. YELLOW MAMMOTH RUTABAGA**—A large size root of good shape, a heavy yielder and very hardy. One of the most profitable to grow. Keeps well. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid. Not prepaid, 5 lbs. and more at 65c.

F. S. & N. Co., Faribault, Minn.

I have sent to your firm for Seed Grains and Garden Seeds for years and have always had good luck with them. My neighbors have asked me to send in their names so they will receive your catalog also.

Harry E. Reynolds, R. 4, North Branch, Mich.

# VEGETABLE ROOTS AND PLANTS



Our Tomato Plants are transplanted.

## FROST PROOF CABBAGE PLANTS

These plants are extremely hardy, and produce the earliest cabbage, fully three or four weeks ahead of any other plants. They are grown in Texas, during the winter, when the weather is often freezing, enduring cold rains and sleet. They can be set out as soon as the ground can be worked, and are not injured by shipping or transplanting, as they make strong growth. They are cheap, profitable, and sure to grow.

We offer the three best sorts, in bundles of 100 of a kind only, which cannot be divided. Prices include postage.

	Per 100	200	500	1,000
EARLY JERSEY WAKEFIELD.....				
FLAT DUTCH.....	\$.50	\$1.00	\$2.00	\$3.00
COPENHAGEN MARKET.....				

## BERMUDA ONION PLANTS

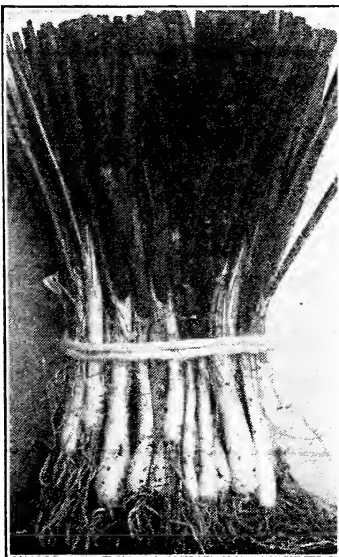
Like the Cabbage Plants listed above, these are grown in Texas, under winter conditions that make them extremely hardy and vigorous. They will produce the finest flavored onions, of the delicate Bermuda type, pure white and mild, in just a short time. They are excellent to grow for green onions, early in spring, or they may be allowed to develop to their full size and used in the fall. The only way in which the big Bermuda Onions can be raised here in the Northwest is from these onion plants.

We ship Onion Plants at proper time for setting out. We cannot take orders after May 1.

Prices: 200 plants 50c, 500 plants \$1.00, 1,000 plants \$1.50, prepaid. Case of 6,000 plants, \$5.00, not prepaid, weight 35 lbs.

## HORSE RADISH ROOTS

This popular condiment is very easily produced in the home garden, and anyone who has compared the freshly dug article with that sold over counters, can appreciate the value of good home-grown horse radish. A half dozen roots will provide the ordinary family, and as it spreads quite rapidly, the source of supply is easily maintained. We furnish strong roots, not pieces. Price: By mail, 6 for 50c, 12 for 75c, 25 for \$1.40, prepaid.



Bermuda Onion Plants.

## ASPARAGUS ROOTS

Asparagus is the earliest of all vegetables ready for use in spring, and one of the most delicious. It is easily grown, and once a bed is established, tender, luscious asparagus may be cut each year, for a lifetime. It is also a most profitable vegetable to grow for market. The soil should be deeply dug, and plenty of fertilizer mixed in, before the roots are set out. Set the roots in rows 2½ to 3½ feet apart, 8 to 12 inches apart in the rows. The plants should be planted so that the crowns are 2 inches below the surface. One-year-old plants are considered best for setting out.

### Washington

A new rust resistant variety, of large size and rapid growth. The most profitable asparagus to grow for market, as it is of fine flavor, tender, and very prolific. The tips are firm and tight, and do not open out until quite tall. They are dark green and thick, of beautiful appearance when bunched. Price: One year old roots, 25 for 60c, 50 for \$1.00, 100 for \$1.65, prepaid.—Not prepaid: 1,000 for \$12.00.

### Columbian Mammoth White

A distinct white asparagus of strong, vigorous growth, producing thick white shoots, which remain white as long as fit for use, in favorable weather. The best for canning. Price: Strong two year roots, best for setting out, 25 for 50c, 100 for \$1.35, prepaid.—Not prepaid: 1,000 for \$10.00.



Columbian Mammoth White.

We can supply good healthy transplanted plants of all the varieties listed below, in their proper season. Packing charges are included in the prices given. As soon as the transplants are taken from the flats in the greenhouse they are wrapped in moist moss and covered with oil paper, and mailed at once. Prices on plants in 1,000 lots are for seedlings.

## TRANSPLANTED PLANTS

	Postpaid Dozen	Postpaid 100	Not 1000
CABBAGE, Early. Ready in April and May. Jersey Wakefield, pointed head; Copenhagen Market, flat head.....	\$.30	\$2.00	\$12.00
CABBAGE, Late. Ready in June. Hollander or Danish Ballhead, Premium Late Flat Dutch .....	.30	2.00	12.00
CAULIFLOWER. Ready in April and May. Snowball .....	.35	2.50	15.00
CELERY. Early. Ready in June. White Plume, Golden Self Blanching.....	.35	2.00	12.00
CHIVES. Ready in April. Per bunch, about 1 doz. plants 80c. Per dozen bunches.....	1.75		
EGG PLANT. Ready in May and June. New York Purple .....	.50		
GROUND CHERRY. Ready in May and June..	.45	3.25	
PEPPER. Ready in May or June. Bell or Bull Nose .....	.40	3.00	
SWEET POTATO PLANTS. Ready in May and June .....	.40	2.25	13.00
SAGE. Ready in May and June. 6 for 30c, 12 for 50c.			
TOMATOES. Ready in May and June. Earliana, Ponderosa, Faribault Dwarf Champion John Baer .....	.35	2.25	15.00
ONION SETS AND GARLIC BULBS on page 19.			

## FLOWERING PLANTS

For Aster and Pansy Plants, House Plants, Porch and Window Box Plants, see pages 35-36-37.

## RHUBARB OR PIE PLANT

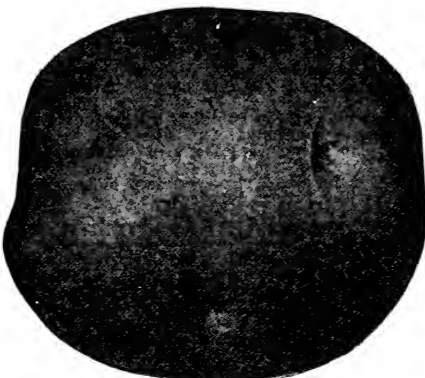
Rhubarb should be in every garden, as it affords the earliest sauces and pies in spring. Set roots out in spring or fall, in rows four feet apart, so the crowns are an inch below the surface. Do not pull stalks the first season. Plants set out in the spring will bear quite abundantly the following season. Fertilizing in the fall will be of great help to the next season's crop. Dressings of nitrate of soda in spring also produce splendid results as with Asparagus. Price: By mail, each 15c, 3 for 35c, 12 for \$1.00, postpaid.—Not prepaid: 100 for \$5.50.

The New Mastodon Strawberry, also other choice varieties, are found on page 32. Nursery Stock on pages 41 to 49.



# MINNESOTA GROWN SEED POTATOES

## GROWN FROM CAREFULLY SELECTED CERTIFIED SEED



Bliss Triumph.

The Potato Crop in 1929 was far short of normal. Crop reports indicate that the supply will be insufficient. This has meant an increased price for potatoes, resulting in a larger profit to growers. The 1929 stocks will probably be used up before the new crop can be matured, allowing the grower of early potatoes to market his crop at a higher figure than he would otherwise get. You will find the quality of our stocks as represented. Plan your acreage and order your seed early.

Minnesota grown seed potatoes are famed throughout the country and the quality of Red River Valley grown stocks of early potatoes sets the standard wherever potatoes are grown.

The Seed Potatoes we offer have been grown from carefully selected and certified seed stock, are true to name, and as free as possible from potato scab and other diseases.

Potatoes are naturally a cool weather crop, therefore more and better potatoes are produced in Minnesota than in any other state. In the Red River Valley, the early types predominate, although all sections of the state produce all types to perfection.

After years of careful breeding and testing under the most varied conditions of soil and climate, only seven or eight varieties have been adopted as standard for the Northwest by the Minnesota Experiment Station and the Minnesota Potato Growers Association. These varieties represent the height of perfection in table and keeping qualities. You will find the choicest of them offered here.

We ship seed potatoes as soon as danger from frost is over, which on the average is about April 15th, and guarantee safe arrival. If wanted sooner, they will be sent at your own risk. Shipment will be forwarded in what we consider the cheapest and best manner unless otherwise specified by you. Orders are acknowledged upon receipt and notice sent at time of shipment. We advise shipping in baskets or barrels to insure safe arrival, although this is not absolutely necessary.

### EXTRA EARLY BLISS TRIUMPH

Bliss Triumph is at least a week or ten days earlier than the Early Ohio. The tubers are of handsome appearance, being almost round, with slightly depressed eyes, mostly at the seed end. They run very uniform as to size and shape. The skin is light to solid red. Flesh is pure white, both when raw and cooked. Its beautiful appearance, wonderful productiveness and superior table qualities make this potato a favorite for the early market. It produces from 12 to 15 tubers per hill, all of marketable size.

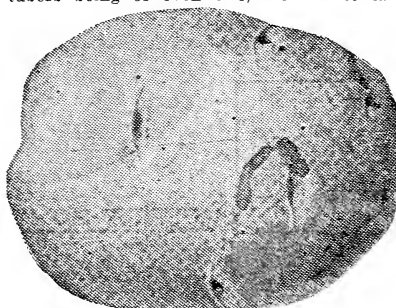
### EARLY IRISH COBBLER

Another extra fine early potato, and one that is not easily affected by blight and insects. The tubers are nearly round, with prominent ridge at ends, causing uneven surface, and slightly flattened, rather blocky. The skin is white, well netted, with eyes of medium depth and number. It is a fine flavored potato of good cooking and keeping qualities.

This variety is a heavy yielder, ripens early and evenly, which is a great advantage when growing potatoes for market.

### EARLY OHIO

The old favorite, and the most profitable, dependable early potato grown. It is a heavy yielder, producing 150 to 250 bu. per acre, tubers being of even size, medium to large, oval in shape, very smooth, with shallow eyes. Early Ohios always bring a high market price, and the very early, they will keep until May or June, if properly stored. The flesh is white, firm, fine grained, and of excellent flavor. The cooking and baking qualities are unsurpassed.



Early Ohio.

We offer a very hardy, prolific strain of Early Ohios from the Red River Valley that will bring greatest returns per acre.

Control Bugs and Blights as Follows:  
Potato Bugs—Arsenate of Lead, Paris Green, London Purple, Two Way Spray.  
Blights—Bordeaux Mixture, Two Way Spray.

### USE SEMESAN BEL

For larger yields and cleaner potatoes.  
Protects against Scab, Blackleg, Rhizoctonia and other seed born diseases.

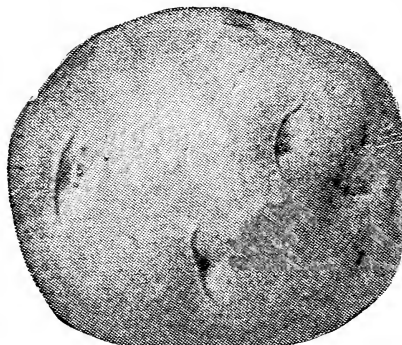
Very easy to handle and an excellent crop insurance.  
An instantaneous dip and does not require the time or effort used in the Formaldehyde or Corrosive Sublimite methods.

One man can easily treat 200 to 400 bu. of potatoes per day.

Can be used on cut seed potatoes without injury.

Will not injure sprouts which start before the seed is treated.

Improves stand and vigor of plants and increases yield from 10 to 20% or more. See page 50.



Irish Cobbler.

### FARIBAUT MAMMOTH PRIZE

The largest choice eating potato in cultivation. It is of strong, vigorous growth, well suited to most soils and climatic conditions, and an enormous yielder. It is practically scab-proof, and but little affected by the ravages of potato bugs. It matures with Carman, and is one of the most profitable for the market.

Tubers are very large, oblong, with yellowish white skin. The flesh is pure white, dry and mealy, of finest cooking and baking quality.

### GREEN MOUNTAIN

The Green Mountain Potato is a favorite variety grown in the largest potato producing sections of the country. It produces a fairly good sized tuber with a skin creamy white to white, usually flaked toward seed end, with narrow eyes, medium in number, size and depth. The shape is short and oblong, flattened, with square shallow ends. The foliage is very large, bushy, with light green stems and leaves. It matures along with the Rural New Yorker and Faribault Mammoth Prize and the yields will range from a few hundred bushels up to 300 or 400 bu. or more per acre, depending upon the soil and season.

### CARMAN NO. 1.

This variety is quite similar to the Green Mountain and is especially liked in many sections where it is known to give higher yields than some of the other main crop varieties. Stocks are of very fine quality.

### SNOWFLAKE.

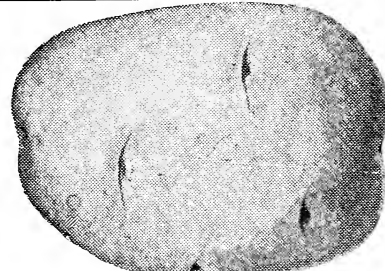
The snowflake is one of the old standard eastern varieties, but no potato of more recent origin surpasses it in choice table qualities. The tubers are of uniform size, oval to oblong in form. The skin is white and finely netted. Flesh is pure white, mealy and flaky when cooked or baked, and of delicate flavor.

Snowflake is a large yielder, even in a poor season when other varieties fail.

### RURAL NEW YORKER

This is the best known, and the standard late market potato. The tubers are of large size, nearly round to oval, considerably flattened, with stem and seed ends roundish but occasionally medium deep. The skin is smooth and white, with broad shallow eyes at the seed end. This feature means less waste in paring than with most other varieties. The foliage is deep green, vigorous and heavy, therefore unusually scab and insect resistant.

Rural New Yorker is an exceptionally hardy potato, and on heavy black and clay soils it yields 200 to 400 bushels per acre.



Rural New Yorker.

For Prices on Seed Potatoes, see Blue Figure List.

# Northern Grown Strawberry Plants

## HOW TO SUCCEED WITH STRAWBERRIES

There is no trick about growing the best strawberries in any ordinary garden soil. Now you can buy strong, well rooted plants, guaranteed to reach you in perfect condition for about half the usual nurserymen's prices direct from our farms.

Plants should be set about 18 inches apart each way in a small garden, or in rows 18 inches apart and 3½ feet between the rows for field culture.

Spring planting is best. Spread out the roots in setting out plants, water them thoroughly and pack down firmly. Cut runners after blooming time, to strengthen the plants and increase size of the berries. Plants will usually bear 3 to 5 years.

All varieties we offer are self fertilized, have perfect blossoms and require no other variety for pollenization purposes.

## Genuine Everbearing Mastodon

The world's greatest and largest Everbearing strawberry. From early summer into late fall, you can enjoy these large, fine-flavored berries and produce more fruit per square foot of ground than with any other strawberry ever introduced. Reports from satisfied customers are astounding—50 to 60 berries per plant are reported and gardeners are reaping the biggest profits ever made from any one variety.

Three hundred and fifty to 400 16-qt. cases per acre have been reported by growers—15 to 20 berries filling a quart box.

One hundred plants will supply the average family with berries throughout the season and allow plenty for canning besides.

Last season we could not nearly fill our orders and the demand the coming spring will be even greater. In order to secure genuine Mastodons, hardy northern grown plants, get your order in early.

We offer genuine Mastodon strawberry plants at real bargain prices, freshly dug and guaranteed to reach you in prime condition.

Price: 25 for 75c, 50 for \$1.25, 100 for \$2.25, 500 for \$10.00, 1,000 for \$18.00, prepaid.

## Premier

The largest early variety. Fruit is highly colored, firm and of superb quality and delicious flavor. A good yielder and shipper. Very profitable market variety. 50 for 75c, 100 for \$1.25, 500 for \$4.25, 1,000 for \$7.50, prepaid.

## Progressive Everbearer

The standard Everbearing variety which will produce berries from June until November as far north as Duluth. Berries are of medium size—somewhat pointed, dark red in color and of exceptionally fine flavor. The flesh is extra firm and sweet, requiring but little sugar in preserving. This variety forms strong runners which bear heavily the first season and produce enormous crops. Blossoms on all Everbearing varieties should be kept picked until July 15th, from newly set plants. 25 for 65c, 50 for \$1.00, 100 for \$1.75, 500 for \$7.00, 1,000 for \$13.00, prepaid.

All of our plants are freshly dug and guaranteed to reach you in perfect condition.



Senator Dunlap

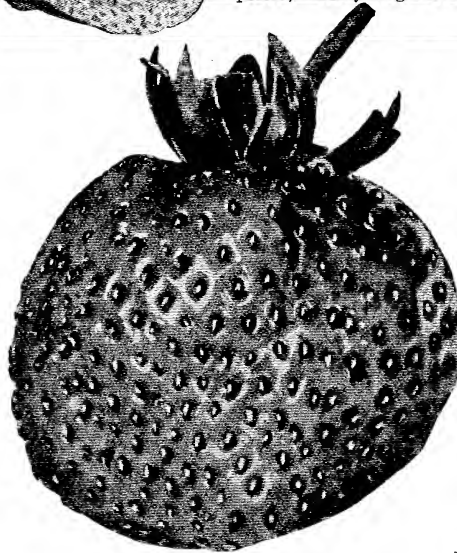
## Senator Dunlap

The old standby and the most satisfactory and productive June bearing variety. Does well wherever planted. Ripens medium early and continues to bear for a long time. The berries are large, beautiful form and color. Fruit firm and of luscious flavor. Good shipper. 50 for 65c, 100 for \$1.00, 500 for \$3.50, 1,000 for \$6.50, prepaid.

## Dr. Burrill

A medium early variety of exceptional productiveness, quality, size and firmness. It is one of the most profitable for the gardener. The berries are of even shape, firm and stand up well; attractive glossy red, with yellow seeds and a green calyx. Dr. Burrill is earlier than Dunlap and of just as fine quality. 50 for 75c, 100 for \$1.20, 500 for \$4.00, 1,000 for \$7.00, prepaid.

I ordered from you strawberry plants last year and they were the finest plants that I ever saw—every one of them lived. The Everbearing Strawberries that I got from you produced a fine crop of berries in the fall and all the plants are covered and in fine shape.—T. B. Parker, Aurelia, Iowa.



Mastodon Everbearing

## BERRY BOXES AND CRATES

Ewalds Folding Berry Boxes. The most convenient and satisfactory box on the market—can be set up in just a second or two—no tacks—no labor. Comes to you all ready to use. The bottom is held firmly in place and will stand rough handling. Shipped knocked down. Sizes to comply with all State Laws. Will save its cost several times over in labor and time gained. Made of best quality white wood.

Prices  
F. O. B. Faribault { Quart Boxes—100, \$1.75; 250, \$3.75;  
500, \$6.50; 1,000, \$12.00.  
Pint Boxes—100, \$1.25; 250, \$3.25;  
500, \$6.00; 1,000, \$11.00.  
Crates—See prices below.

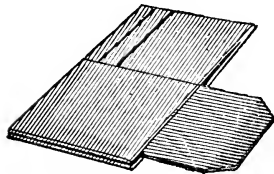
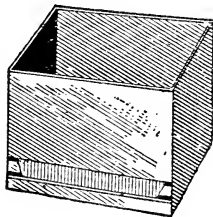
Old Style Berry Boxes—Packed Flat. Hallock Dry Measure Boxes are made of best grade white wood from two pieces of veneering and are scored to bend at the corners. Use 4-oz. Swede iron tacks. One lb. of tacks will make 1,000 boxes.

Crates—Made from best ½ inch seasoned lumber, planed 9 inches wide and 8½ inches high. The sides are of veneering, 4 inches wide and 20½ inches long. Cover is one solid piece of veneering. Use 1½ inch cement coated nails.

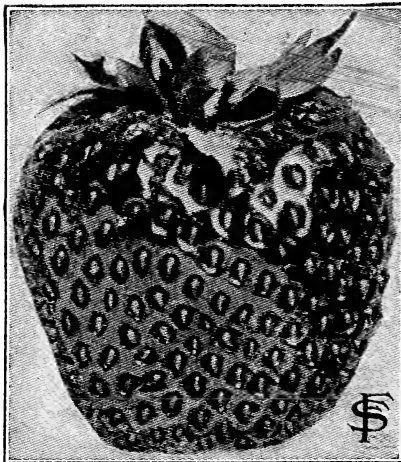
Prices  
F. O. B. Faribault { Quart Boxes—100, 95c; 500, \$4.25;  
1,000, \$6.25.  
Pint Boxes—100, 85c; 500, \$3.35;  
1,000, \$5.75.

Sixteen-quart crates—100, \$19.25; less quantities, 24c each.  
Twenty-four quart crates—100, \$26.00; less quantities, 30c each.  
Twenty-four pint crates—100, \$19.00; less quantities, 23c each.  
Forms for box making, 50c each. 4-oz. Swede iron tacks, 50c per lb.

The most satisfactory berry box so far invented.



Ewalds Folding Box.



Dr. Burrill

## Nowhere Can These Be Surpassed

### 459. Gradus or Prosperity Peas

Here is an extra early, large-podded Pea of superb quality and delicious flavor. Vines similar to Telephone. Pods are large and well filled with beautiful green peas that retain their color after cooking. They grow 3 to 3½ feet tall, yield abundantly and are a profitable variety for home garden or market. 2¼ ozs., 10c; ½ lb., 20c; 1b., 35c; 2 lbs., 60c, postpaid. Not prepaid, 5 lbs., \$1.10; 15 lbs. @ 18c lb.

### 83. Extra Early Winesap Beet

Unequalled for family use or for market. Its remarkable uniform type, beautiful dark red color and its tender and delicious flavor make Winesap one of the best. For earliness, good shape, absence of zones or white rings we consider it the outstanding variety. Pkt., 10c; oz., 20c; ¼ lb., 50c; 1b., \$1.50; 2 lbs., \$2.50, prepaid.

### 382. New Winter Watermelon

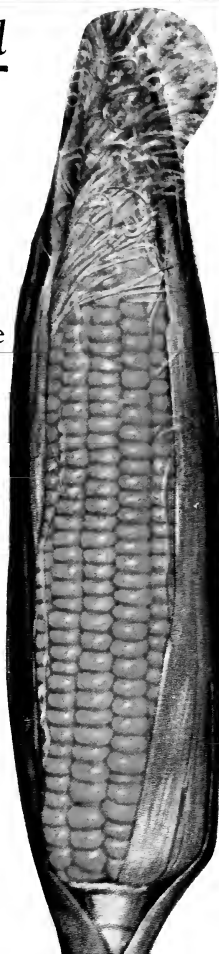
Have Watermelon for your Thanksgiving dinner. This variety will keep two months after picking if properly stored. Melons average ten pounds in weight; cream color rind. Very prolific and a splendid shipper. Flesh is equal to the best red Melon; sweet as honey. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1b., \$1.25, prepaid.



New Winesap Beets.

### 223. Early Sunshine Sweet Corn

Thousands were delighted with this variety last season and we consider it the finest flavored, early yellow Sweet Corn so far introduced. The ears are 16-rowed, bright yellow in color and the Corn has a delicious rich flavor. Early Sunshine is ready to use six to ten days earlier than Golden Bantam. Stalks are quite dwarf with ears that set only 2½ to 3 feet from the ground, and usually two ears to the stalk. 2¼-oz. pkt., 10c; ½ lb., 25c; 1b., 40c; 2 lbs., 65c, prepaid.



Early Sunshine Sweet Corn.

Gradus Peas.

### 546.

### F. S. & N. Co. Icicle Radish

The finest white Radish of mild flavor and slender form. Ready to use in 20 to 25 days. Remains crisp and tender until the roots obtain a large size. Every home garden should have at least a few rows of White Icicle Radish. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1b., \$1.00, prepaid.

It's no more effort to grow the best but it all depends upon the seeds you plant.



White Icicle Radishes.

### 611 Scarlet Extra Early June Tomato

A week earlier than Earliana. The fruits are of large size for an early sort, deep glossy scarlet, and ripen uniformly, the stem ends coloring up perfectly. Flavor is delicious; fruit firm and meaty with very few seeds. A real quality Tomato greatly prized for home garden or market. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75, prepaid.

For Tomato and other vegetable plants, see page 30.

Scarlet Extra Early June Tomatoes.





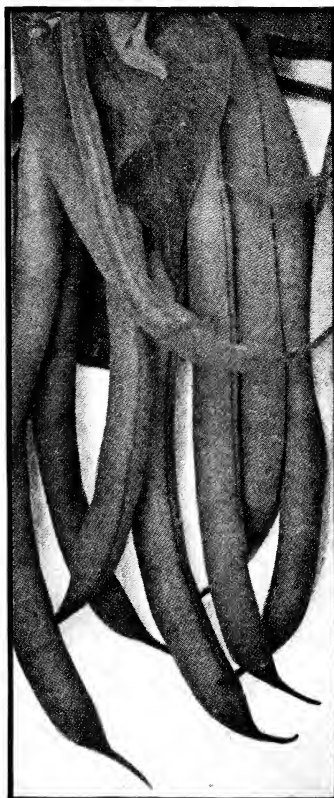
# Try These for Real Quality and Flavor



Early Scarlet Globe Radish.

## 161. Danish Perfection Cauliflower

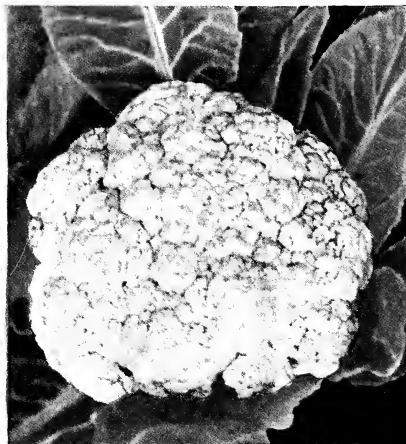
An improved strain of the Dwarf Erfurt type. Not quite as early as Extra Early Snowball, but the heads are better protected by leaves, and are very firm, solid and heavy. Color of the heads is pure white and the leaves offer protection to a large extent in blanching the heads. Pkt., 20c; ¼ oz., 75c; ½ oz., \$1.25; oz., \$2.00; ¼ lb., \$7.00, prepaid.



Full Measure Stringless Beans.

## 535. Improved Early Scarlet Globe Radish

Market gardeners appreciate this variety—brings top prices; it is a real quality Radish—good for forcing or open garden culture. Has an attractive bright scarlet color, oval shape, very small tops and the flesh is delightfully crisp, juicy and tender. Ready for the table in about three weeks. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., \$1.10, prepaid.



Danish Perfection Cauliflower.

## 170. Superior Market Carrot

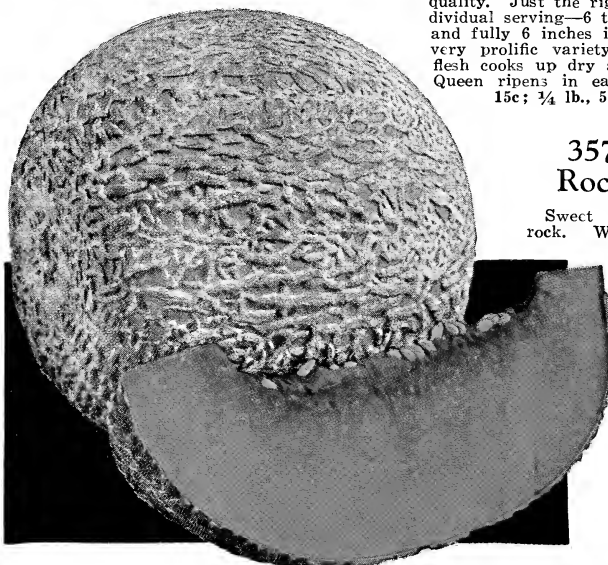
One of the coreless type you hear so much about among gardeners. Grows about 6 inches long. Broad at the top and slightly narrow at the end. Very fine quality and rich flavor. One of the best for home garden or market. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., \$1.50, prepaid.

## 605. Table Queen Squash

A dwarf Squash, second to none in quality. Just the right size for individual serving—6 to 8 inches long and fully 6 inches in diameter. A very prolific variety; flavor is delicious and flesh cooks up dry and is fine grained. Table Queen ripens in early Fall. Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., \$1.75, prepaid.



Superior Market Carrot.



New Sugar Rock Muskmelon.

## 357. New Sugar Rock Muskmelon

Sweet as sugar and solid as a rock. Wonderful shipper because of its heavy netting and tough rind. A strong grower and heavy yielder, always bringing the highest prices. This new melon has four outstanding characteristics—quality, productiveness, ability to stand shipping and striking appearance. Its flesh is a deep orange with flavor different from other sorts. Five to seven fruits are often produced on one vine. Matures in about 85 days. Pkt., 15c; oz., 40c; ¼ lb., \$1.00; lb., \$3.00. Prepaid.

## 23. Full Measure Stringless Beans

Here are the fine stringless, medium size, round pod green Beans so much sought for on the market. The pods are straight, about 6 inches long, fleshy, almost round and exceptionally tender. This prolific variety produces throughout the season and on account of its earliness, quality and good yield, represents one of the finest green Pod Beans. Pkt., 10c; ¼ lb., 30c; lb., 50c; 2 lbs., 90c, prepaid. Not prepaid, 5 lbs., \$2.00; 15 lbs. or more at 35c per lb.



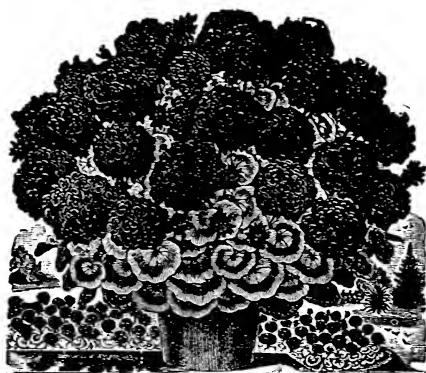
Table Queen Squash.

MARKET GARDENERS WILL DO WELL TO  
FEATURE THESE VARIETIES.



# Miscellaneous Greenhouse Plants

## DOUBLE FLOWERING GERANIUMS



Double Flowering Geranium.

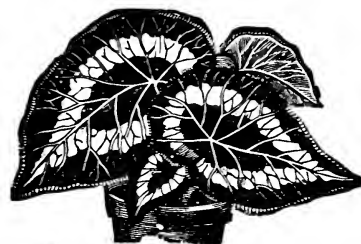
**AMERICAN BEAUTY**—Compact flowers resemble American Beauty Rose. Gigantic trusses. 30c; 3 for 85c; 12 for \$2.88.

### SPECIAL PORCH BOX PLANT COLLECTION

Ten plants, all different—our selection of varieties from the following: Geraniums, Ostrich Fern, Boston Fern, Wandering Jew, Salvia, Dracena, Water Ivy, Vincas, Hibiscus, Begonias, Coleus, Russelia Petunias, Asparagus Sprengerii, etc.

PRICE PER TEN PLANTS  
OUR SELECTION. PREPAID \$2.20

- S. A. NUTT**—The best double dark crimson scarlet bedder. 20c; 3 for 57c; 12 for \$1.92.
- BEAUTE POITEVINE**—Double flowers, rich salmon-pink. 30c; 3 for 85c; 12 for \$2.88.
- MADAME BUCHNER**—Flowers purest white. 20c; 3 for 57c; 12 for \$1.92.
- GLORIANA**—Extra large blooms, delicate pink bordered pure white. 25c; 3 for 72c; 12 for \$2.40.
- RADIO RED**—New, flame red flowers, large and double. 30c; 3 for 85c; 12 for \$2.88.
- ALPHONSE RICCARD**—Bright vermilion scarlet, giant florets and trusses, semi-double. 25c; 3 for 72c; 12 for \$2.40.
- MARGARET**—Magnificent shade of deep rose pink shading white. 25c; 3 for 72c; 12 for \$2.40.
- JEAN VIAUD**—Bright rosy-pink, dwarf, compact, free blooming. 26c; 3 for 74c; 12 for \$2.50.
- JEAN OBERLE**—Exquisite semi-double peach pink. 25c; 3 for 72c; 12 for \$2.40.



Mammoth Leaved Rex Begonia.

**MAMMOTH LEAVED REX BEGONIA**—It produces elegant mammoth leaves of rich metallic lustre, and colors blending from brightest green glistening silver and orange to beautiful plum hues. 40c; 3 for \$1.10.

**ASPARAGUS SPRENGERII**—Valuable house plant of easy culture, sprays four to five feet long. Retains freshness after cutting, for very long time. 25c; 3 for 72c; 12 for \$2.40. Larger size 50c; extra large 70c.

**TRAILING VINCA**—The leaves of this beautiful trailing plant are a glossy green, broadly margined a creamy white; flowers blue. No porch box is complete without several fine specimens of the Trailing Vinca. 30c; 3 for 85c; 12 for \$2.88. Larger size 50c.



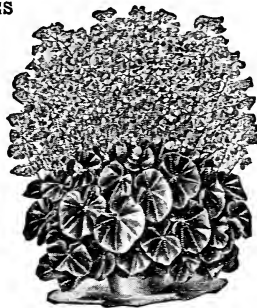
Asparagus Sprengerii.

### REDWOOD PORCH BOXES AND URNS ON PAGE 87

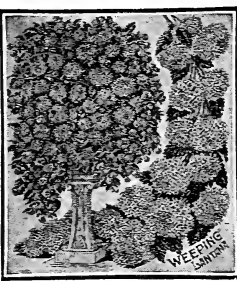
**BEEFSTEAK BEGONIA**—Its circular leaves of heavy texture, red beneath, above a glossy olive-green, oil-like cast make it an outstanding variety. Dainty flowers are exquisite coral-red. 35c; 3 for \$1.00.

**BEGONIA, ARGENTEA GUTTATA**—A new sort with silvery blotches, grace and beauty. 30c; 3 for 85c; 12 for \$2.88.

**DON'T LET YOUR PLANTS STARVE. TRY NU-LIFE PLANT FOOD PAGE 37**



Beefsteak Begonia.

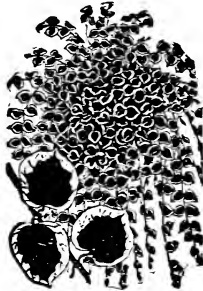


Weeping Lantana.

**WEEPING LANTANA**—A very striking plant of trailing habit. Grows very rapidly and blooms continually, producing clusters of rosy-pink flowers. Foliage a beautiful dark green. 25c; 3 for 72c.

**OLEANDER**—Popular, old-fashioned plant. Foliage dark green. Grows easily but should be rested in winter. Decorative, semi-double flowers. Red, 35c; 3 for \$1.00. Pink or White, each 30c; 3 for 85c.

**SAFE DELIVERY AND SATISFACTION GUARANTEED**



Trailing Variegated Vinca.

### BEDDING COLEUS

**BECKSITH'S GEM**—Dark, velvety maroon, bordered fiery red. Edge green changing yellow at tip of leaf. 15c; 3 for 42c; 12 for \$1.43.

**ELDORADO**—Old Gold ribbed and blotched garnet. 15c; 3 for 42c; 12 for \$1.43.



Bedding Coleus.

### BEDDING COLEUS

**GOLDEN BEDDER**—Lovely golden yellow. 15c; 3 for 42c; 12 for \$1.43.

**ROB ROY**—Pinkish red crinkled edges. 15c; 3 for 42c; 12 for \$1.43.

**PROTECT YOUR PLANTS WITH EVERGREEN AND OTHER INSECTICIDES SEE PAGE 83-**



Watermelon Begonia.

**WATERMELON BEGONIA**—Excellent for house, window or table. Leaves are variegated white and green thick and waxy. 35c; 3 for \$1.00.

**FREE**—A packet of Nu-Life Plant Food with your order for Greenhouse Plants amounting to \$1.50 or over, if requested.



Pink Flowering Wax Plant.

**PINK FLOWERING WAX PLANT**—Produces beautiful pink flowers at all times. Of frosted wax-like appearance. Suitable for rock work, hanging baskets, also for a pot plant. Is of bushy growth and free flowering. Excellent. Price 25c; 3 for 72c.

**ROYAL PURPLE PLANT**—An attractive pot plant of brilliant and exquisite coloring. Noted for its beautiful glistening reddish-purple iridescent leaves. 28c each; 3 for 80c; 12 for \$2.65.

### BEDDING LANTANAS

**LANTANA ALBA PERFECTA**—Pure white, compact habit. 25c; 3 for 72c; 12 for \$2.40.

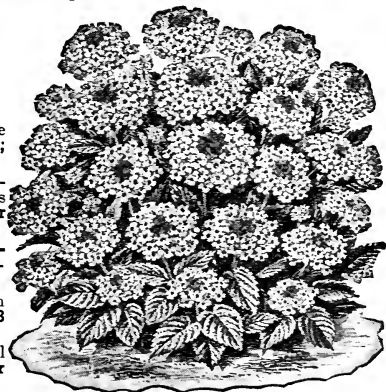
**LANTANA BIENCOURT**—A beautiful shade of bright rosy pink. Flowers large and showy. 25c; 3 for 72c; 12 for \$2.40.

**LANTANA MICHAEL SCHMIDT**—Brilliant yellow passing to pure vermilion. 25c; 3 for 72c; 12 for \$2.40.

**LANTANA RADIATION**—Crimson changing to yellow at center. 25c; 3 for 72c; 12 for \$2.40.

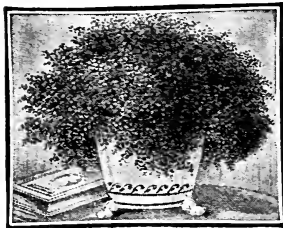
**LANTANA TETHS**—New beautiful lemon yellow. 30c; 3 for 85c; 12 for \$2.88.

**ALL PLANTS ARE POSTPAID.**



Bedding Lantanas.

# Miscellaneous Greenhouse Plants



Baby Tears.

**BABY TEARS** (Helxine-Irish Moss)—Compact, dense growing, with miniature leaves, neat habit, forming a rounded mass of moss-like foliage. Partially creeping or drooping which adds much to its attractiveness. Grows easily under living room conditions. 30c each; 3 for 85c.

**PORCH BOXES ON PAGE 87**



Snake Plant (Sansevieria).

**SNAKE PLANT** (Sansevieria).—The ideal house plant, its thick leathery, sword-like leaves standing the heat, dust, and gas with impunity. Leaves are dark green in color, striped with white. Each 35c; 3 for \$1.00; 12 for \$3.36.

**HIBISCUS PEACHBLOW**—Novelty with double pink flower and deep crimson center. Splendid house-plant. 30c; 3 for 85c; 12 for \$2.88. Larger 60c.



Hibiscus Peachblow.

## DECORATIVE FERNS

**BOSTON FERN**—Of easy culture and a very rapid grower, producing fronds of unusual length. Considered most valuable house plant to be had. 25c; 3 for 72c. Larger size 45c; 3 for \$1.28.

**MAIDEN HAIR FERN**—Graceful, rich green. Fronds have beautiful tasseled heads. 25c; 3 for 72c. Larger size 40c; 3 for \$1.14.

**OSTRICH PLUME FERN**—Feathery foliage, easily grown. One of the best. 35c; 3 for \$1.00. Larger sizes, 50c; 75c and \$1.00.

**N. WHITMANNI FERN**—Luxurious foliage, dense growing. Splendid variety. 30c; 3 for 85c; 12 for \$2.88. Larger plants 50c; 75c and \$1.00.

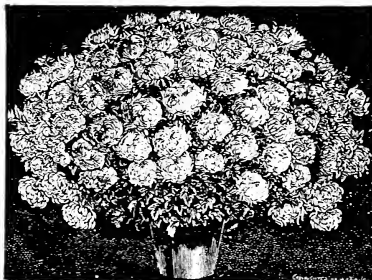
**ROOSEVELT FERN**—Fronds are broad and heavy often four inches across and five or six feet long. Very graceful. 30c; 3 for 85c; 12 for \$2.88. Larger plants 50c; 75c and \$1.00.

**BRAZILIEN PLUME PLANT** (Justicia)—Easy culture, does well in all soils. Rapid grower, throwing out long shoots, each tipped with pink plume-like flowers. 30c; 3 for 85c; 12 for \$2.78.

**BOUGAINVILLEA** (Chinese Paper Plant)—Brilliant rosy-carmine blossoms, produced from early March until mid-summer. 30c; 3 for 85c; 12 for \$2.88. Larger plants, 50c 3 for \$1.43; 12 for \$4.80.

**PARROT'S FEATHER**—A magnificent decorative plant for water-tight vessels and aquariums. Foliage is light green, feathery and of drooping habit. 30c; 3 for 85c; 12 for \$2.88.

**TRY NU-LIFE PLANT FOOD PAGE 37**



Large Flowering Chrysanthemums.

## EXHIBITION CHRYSANTHEMUMS

**COL. D. APPLETON**—At one time the most widely grown yellow in cultivation. 30c; 3 for 85c.

**CULLINGFORDII**—One of the best and most popular rich crimson, shading dark red. 30c; 3 for 85c.

**E. A. SEIDEWITZ**—An incurved pink. Perfect, large, flowers; early. 25c; 3 for 72c.

**GOLDEN KING**—Large, massive, clear yellow flowers. Incurved, borne on long stems. Midseason. 25c; 3 for 72c.

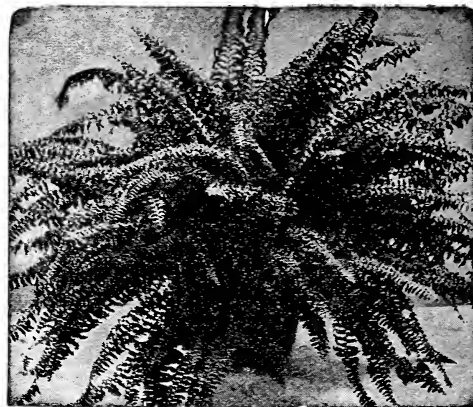
**LOUIS BOEHMER**—Lavender pink, shading with silver pink on ends of petals. Good size. 35c; 3 for \$1.00.

**OCONTO**—A splendid white. Large with broad, incurved petals of snowball type. Growth robust; smooth, heavy foliage. 25c; 3 for 72c.

**ENCHANTRESS**—An early pink of merit; incurved, of splendid growth. 25c; 3 for 72c; 12 for \$2.40.

**GOLDEN GLORY**—One of the best yellows; large and perfect flowers. 20c; 3 for 57c.

**HARVARD**—Rich crimson. Large blooms, very showy. 35c; 3 for \$1.00.



Boston Fern.

**DOUBLE VIOLETS**—Fragrant, prolific, entirely hardy, perfectly double violet. Surpasses all others. Exquisite purple, blue and purest white. 30c; 3 for 85c; 12 for \$2.88.

**SNAPDRAGONS**—Free, continuous bloomer. Robust growth, large colorful spikes. 20c; 3 for 57c; 12 for \$1.92.



Red Flowering Salvias.

**BRILLIANT RED SALVIAS**—Vivid scarlet flowers are produced in racemes a foot or more in length from July to September. 20c; 3 for 57c; 12 for \$1.92.

**MAMMOTH SINGLE PETUNIAS**—Fine for baskets, vases, window boxes and massing in beds. Very popular on account of their richness of color, duration of bloom and ease of culture. Each 20c; 3 for 57c; 12 for \$1.92.

**ALL PLANTS PREPAID.**



Giant Single Petunias.

## FUCHSIAS

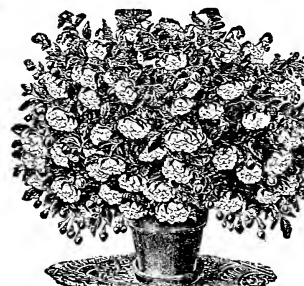
**GIANT WHITE**—Very double, pure white, blooming profusely. 25c; 3 for 72c.

**LITTLE BEAUTY**—Dwarf growing free blooming. Sepals carmine, corolla deep lilac. 30c; 3 for 85c.

**MIDNIGHT**—Double, dark purplish blue, velvety flowers. 25c; 3 for 72c.

**NEW DOUBLE PINK BEAUTY**—Immense, double, deep pink blossoms. 30c; 3 for 85c.

**SPECIOSA**—Deep scarlet, single flowers. 25c; 3 for 72c.



Free Blooming Fuchsias.

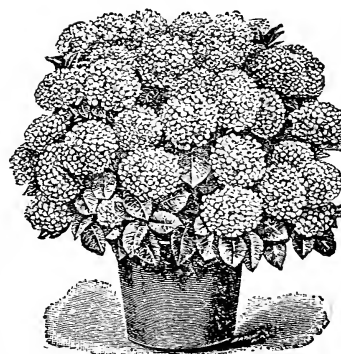
## FRENCH OR PORCH HYDRANGEAS

**AVALANCHE**—Flowers pure white. Excellent for lawn or garden decoration. 35c; 3 for \$1.00.

**BOUQUET ROSE**—Flowers exquisite deep rosy-amber turning to bright red. 35c; 3 for \$1.00.

**LA FRANCE**—Color fringed delicate rose. Produces a wealth of bloom. Each 35c; 3 for \$1.00.

**RED GLOBE**—The darkest red variety. Great bloomer and unusually attractive. 40c; 3 for \$1.14.



French or Porch Hydrangeas.

## NU-LIFE PLANT GROWER

Do your plants need stimulating? Is your soil becoming stale and the plants sickly? Are the leaves discolored or do the blooms lack brilliancy?

If so, try Nu-Life Plant Food and watch the results.

Nu-Life is a most highly concentrated food for potted plants—15% Nitrogen—30% Phosphoric Acid and 15% Potash. Just a pinch is required per pot—dissolves quickly, and contains three to four times the fertilizing value of ordinary plant food.

Trial size, 15c.  $\frac{1}{2}$  lb. package, 50c. Postpaid.

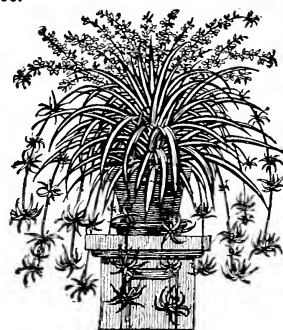
Special—We will accept your first 15c packet when empty as credit of 10c on a 50c size package.

**SMILAX**—Small bright glossy green leaves—a great climbing and basket plant. Also used with cut flowers. Each 22c; 3 for 63c; 12 for \$2.10.

**LEMON VERBENA**—The most delightfully fragrant foliage of any plant grown. One plant will scent an entire room with its wonderful lemon odor. Each 26c; 3 for 74c; 12 for \$2.50.

**ASPARAGUS PLUMOSUS**—A tall, climbing, decorative plant of rare and delicate beauty. Its fine and plumelike foliage is a fine bright green. Fronds six to eight inches wide. Each 30c; 3 for 74c; 12 for \$2.50. Larger size 50c; Extra large 70c.

**DUSTY MILLER**—This universally popular border and bedding plant produces silvery-white leaves that contrast beautifully with Coleus, Geraniums, Cannas, etc. Will stand up thruout the entire season. 15c; 3 for 42c; 12 for \$1.43.



St. Bernard's Lily.]

**ST. BERNARD'S LILY** (Anthericum)—Recurved dark green foliage with broad stripes of creamy white. Bears large spikes of white flowers. Each 32c; 3 for 90c.

**ASTER PLANTS**—American Giant Branching. All colors mixed. Long stems—large flowers finest for cutting. 40c per dozen. 100 plants \$2.50.



Strawberry Geranium.

**STRAWBERRY GERANIUM**—A gem. Leaves striped with silver bands, blooms white. Long drooping tendrils, producing freely at joints. Each 25c; 3 for 80c; 12 for \$2.69.

**FAN LEAVED PALM** (Lantania Barbonica).—General favorite, large fan-shaped leaves, making a wonderful plant for home decoration. 50c; 3 for \$1.43; 12 for \$4.80.



Masterpiece Pansies.

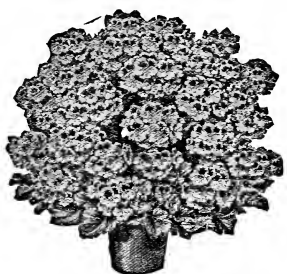
**PANSY (MASTERPIECE)**—No flower more admired. Striped, spotted, bordered and fringed in rainbow colors, rich textures. 60c per dozen, 100 plants \$3.50.



Water Hyacinth.

**WATER HYACINTH**—Color a magnificent lilac-rose. Shining green leaves; beautiful as orchids with spikes of lovely blooms. 30c; 3 for 85c; 12 for \$2.88.

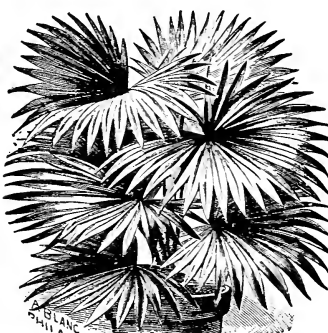
**ALL PLANTS ARE PREPAID.**  
**SAFE DELIVERY GUARANTEED**



Pelargonium Easter Greeting.

**PELARGONIUM, EASTER GREETING**—Gorgeous in coloring. Fiery amaranth red. Each petal marked with black spot in center. 35c; 3 for \$1.00; 12 for \$3.36.

**ALL PLANTS ARE PREPAID.**



Fan Leaved Palm.



Asparagus Plumosus (Lace Fern).



Wandering Jew.

**WANDERING JEW**—A most popular window, garden, hanging basket and porch box plant. Foliage beautifully variegated. Easy culture. Each 22c; 3 for 63c; 12 for \$2.10.



White Calla Lily.

**WHITE CALLA LILY**—Produces pure white blossoms in winter and spring. Grows freely. Each 36c; 3 for \$1.13.



Begonia Christmas Red.

**CHRISTMAS RED BEGONIA**—Foliage rich glossy green, shaded deep bronze. Flowers exquisite bright cherry, red. 30c; 3 for 74c; 12 for \$2.50.



Christmas Cactus.

**CHRISTMAS CACTUS**—Early flowering crimson scarlet variety. Long drooping flowers in great profusion. No care required. 45c; 3 for \$1.28; 12 for \$4.32.

**BE SURE TO SEE OUR RED-WOOD PORCH BOXES AND URNS ON PAGE 87.**

**INSECTICIDES FOR PLANTS ON PAGE 83.**



Hardy Begonia (Evansiana).

**HARDY BEGONIA** (Evansiana).—An exceptionally valuable plant of rapid, healthy growth. Beautiful pink clusters of blossoms and buds. 40c; 3 for \$1.14; 12 for \$3.84.



## HARDY GARDEN LILIES

Lilies will continue to bloom for a number of years. They should be placed where they will be shaded from very hot sun. A good arrangement is to place them in the shrubby border, where they will have a background of foliage, and show their flowers to best advantage. The ground should be spaded to a depth of eighteen inches, and the soil mixed with sand, leafmold and well rotted cow manure. The lilies listed below require no care, as they are perfectly hardy, and endure our northern winters without protection.

To insure the best possible success with all flowering bulbs apply "Sacco" the odorless, balanced fertilizer—it will produce surprising results and the cost is small; see page 84.

**Auratum** The Gold Banded Lily of Japan. This is the best and most exquisite of all the hardy lilies. Heavy clusters of 3 to 6 fragrant white lilies, each one banded with yellow and spotted crimson, are produced in August and September. The petals are ruffled and of heavy texture. Fine for planting in the hardy border, or among shrubbery. They need only moderately rich soil, with good drainage, and will grow in the half shade. Each 35c, 3 for \$1.00, dozen \$3.50, prepaid.

**Rubrum** Another lovely lily, that blooms in August and September. Plants are not quite as tall as the Auratums, with clusters of white lilies, beautifully striped and spotted with pink and crimson. The petals are curved outward and gracefully twisted. This lily is of exquisite fragrance, and is much used for decoration and bouquets, as it lasts well in water, every bud opening perfectly. Each 35c, 3 for \$1.00, 12 for \$3.50, prepaid.

**Chinese Regal** A wonderful lily from China that is one of the hardiest plants ever introduced. The stems grow 2 to 4 feet tall, bearing clusters of lovely white flowers, that shade to creamy yellow at the center, while the outside of the petals is soft pink. The Regal Lily will grow in any good, well drained soil, and is perfectly hardy. This is one of the most beautiful lilies ever grown, and well worthy of a place in every garden. Blooming size bulbs, each 35c, 3 for \$1.00, prepaid. See illustration in natural colors on inside back cover.

**Golden Day** (Hemerocallis.) A showy, hardy plant belonging to the Lily family, and an old favorite. The plants are hardy everywhere. They bloom in June and July, the flowers being produced in clusters of 3 to 6, on a tall stem, and opening one at a time. The lilies are a bright golden yellow and delicately fragrant. Each 20c, doz. \$2.00, prepaid.

**Double Tiger** This brilliant lily should be in every hardy garden. It is one of the hardest of all lilies, and spreads rapidly. Flowers are borne in clusters, and are double, deep orange, with black spots. Each 20c, 3 for 55c, 12 for \$2.00, prepaid.

**Elegans** Very showy, perfectly hardy Lily. Produces brilliant cup-shaped Tulip-like flowers, borne in upright umbels. Blooms in early June and July. Coloring is red, orange and yellow. Each 20c, dozen \$2.00, prepaid.



Hardy Auratum Lily.

### SPECIAL HARDY LILY BULB COLLECTION

Lilies should be in every garden. No finer assortment could be found anywhere, and here is a real bargain: 2 Regal Lilies, 2 Rubrum, 2 Auratum, 2 Double Tiger and 2 Golden Day Lilies, 2 Elegans, 12 bulbs in all, regular value, \$3.30—all for \$2.45, prepaid.

## MISCELLANEOUS SUMMER FLOWERING BULBS



Caladium Esculentum.

**Caladium Esculentum** (Elephant Ear.) Impressive foliage of tropical effect. Especially attractive when in combination with Cannas. Will grow in any garden soil. The large showy leaves resemble elephant ears. Large bulbs 20c each, 3 for 45c, dozen \$1.50, prepaid. Medium size 10c each, 3 for 25c, 12 for 85c, prepaid.

**Tuberoses** Double Pearl. A delightfully fragrant summer flower of glistening white wax-like color. Very double with stiff dwarf stem. The spikes frequently bear 40 to 50 flowers. Large bulbs 12c each, 3 for 30c, dozen \$1.00, prepaid.

**Ismene Calathina** Peruvian Daffodil. One of the finest summer flowering bulbs. Its flowers resemble the Amaryllis in shape—very fragrant and pure white. Blooms very freely. Plant bulbs in June—take them up in October and after a month's rest, re-pot for winter use indoors. 30c each, 3 for 80c, dozen \$2.75, prepaid.

**Cinnamon Vine** A beautiful climber—growing 30 ft. in a single season. Easily trained. It has glossy heart-shaped foliage and produces clusters of delicate white flowers, very fragrant. Especially hardy and will thrive anywhere. Strong roots 15c each, 3 for 40c, dozen \$1.35, prepaid.

**Madeira Vine** Called the climbing Mignonette. Has small white feathery flowers; light green leaves, heart-shaped and is a rapid grower. Large bulbs 10c each, 3 for 25c, dozen 90c, prepaid.



Giant Hybrid Amaryllis.

### GIANT AMARYLLIS Nature's Masterpiece of Beauty

One of the most magnificent house plants ever grown. Bulbs should be potted as soon as unpacked, in pots at least one inch larger in diameter than the bulb. A rich sandy loam is best, with a small addition of well rotted cow-manure. Set bulb so that the neck is well above the surface. Water well and set in a cool dark place for about 4 weeks, until well rooted. Then bring into the light and give plenty of sun and water. The plants usually bloom in spring sending up a mammoth stalk with 3 to 6 huge lily shaped flowers, which last from 10 days to 2 weeks.

In summer the pots may be set out in the garden where they will have plenty of sunshine and good drainage. In fall, they should be taken up and brought indoors and watered very sparingly. When the lower leaves begin to fade, withhold water entirely. Set pot in a cool dark place for about 3 months, after which the plant will show signs of life and growth and should again be brought into the light and watered.

The flowers are a mixture of red, rose, salmon and white.

Giant Amaryllis Hybrid. Each 60c, prepaid. 3 for \$1.50.

### About Buying Flowering Bulbs

Cheaper bulbs may be had at any Dime Store. However you are in reality buying flowers instead of bulbs and quality and size will mean the difference between success and failure.

We offer only first quality blooming size bulbs that can be depended upon for best satisfaction.



# DAHLIAS

Dahlias grow best in rich fertile loam with good drainage. Spade the soil to a depth of 2 feet or more, and put in a layer of well rotted manure, then a layer of rich garden loam at least 6 inches deep. On this set the bulbs, and cover with pulverized garden soil. The roots will have plenty of nourishment, and require very little watering.

If large long stemmed flowers are wanted, pinch off all but one or two buds to a stalk.

Prices are for strong tubers, dormant stock, and include postage.

## Standard and Choice Varieties

**Jack Rose** Decorative. Brilliant crimson-red flowers on long stiff stems. The most popular crimson for garden and cutting. Free-flowering and very early. Each 20c, dozen \$2.10.

**Kitty Dunlap** Decorative. Splendid big flowers of American Beauty rose; free flowering; bushy, of fine form. Every dahlia lover should grow this. Each 50c, 3 for \$1.25, prepaid.

**Pride of California** Decorative. Brilliant crimson, with darker center. Very double, and one of the best reds. Each 35c, 3 for 95c, 12 for \$2.75, prepaid.

**Wm. Reid Butler** (Peony Decorative.) Fine large white flowers, averaging 5 and 6 inches across, on stems 20 to 30 inches long. Free flowering, early, of perfect habit, and one of the very best for cutting. Each 25c, dozen \$2.60.

**Jean Chazot** Cactus. Flowers are a beautiful golden bronze with slight shadings of nasturtium red, a most popular shade. Each 50c, 3 for \$1.25, prepaid.

**Patrick O'Mara** Decorative. This is described as an autumn shade, a gorgeous orange, shaded with red. Flowers are huge and double, fine for cutting. Each 50c, 3 for \$1.25, 12 for \$4.25, prepaid.

**Minnie McCullough** Decorative. Golden yellow blossoms, tipped with bronze, showy and artistic. Each 25c, 3 for 65c, 12 for \$2.50, prepaid.

**F. L. Bassett** (Decorative.) The showiest and most free flowering dahlia we have ever grown. Flowers are bright lavender purple, with long stems. Plants are bushy, compact, with good foliage, do not break down easily, and produce more good flowers than any other sort. Each 20c, dozen \$2.10.

**Mixed Dahlias** Many types and all colors, for planting in borders, or as hedges, or among perennials.

Dahlia bulbs multiply rapidly. They are easy to store over winter and should be in every flower lover's garden. 3 for 30c, 6 for 55c, dozen \$1.00, prepaid.

## A SHOWY CANNA \$1.95 BED COLLECTION Prepd

For a circular bed 7 ft. diameter, requiring 19 plants, we suggest for the center, 7 King Humbert, The President or Gladiator, and 12 City of Portland or Crimson Bedder. These make a gorgeous combination. The center of the bed should be 4 to 6 inches higher than the level of the lawn.

An effective border would be Caladium (Elephant Ears)—on page 38; Coleus, Salvia or Dusty Miller. 19 Cannas, your choice, \$1.95, prepaid.

For Peonies see page 2 and inside back cover.



Jean Chazot      Jack Rose  
Kitty Dunlap      Wm. Reid Butler      Minnie McCullough

## CANNAS

Unsurpassed for showy beds, borders, and formal plantings. Roots may be started indoors in April, and set out in June when all danger of frost is past. We offer dormant roots of first quality.

**The President** 4 ft. Immense flaming scarlet flowers, 7 inches across when open. Petals firm and long standing. Foliage rich green and sun-proof.

**King Humbert** 4 ft. A gold medal Canna. Broad tropical foliage of bronze color. Immense orange-scarlet flowers.

**Apricot** 4 ft. Flowers with buff yellow base overspread with salmon pink, making a rich apricot effect. Green foliage. Resistant to heat and wind.

**Mrs. Alfred Conrad** 4 ft. The best salmon pink variety—green foliage. Very free bloomer—robust, upright, stalks.

**City of Portland** 3½ ft. Deep pink. Extra fine flower that holds its colors without fading. Green foliage.

**Gladiator** 4½ ft. Golden yellow flowers, dotted crimson; very beautiful. Green foliage.

**Crimson Bedder** 3½ ft. Dazzling crimson scarlet flowers—green foliage; very showy.

Price: Any of the above, 15c each; 6 for 80c; dozen \$1.50. Prepaid.



Cannas, The President.

## Beautify Your Lawn With Tulips-Hyacinths-Narcissus Etc.

ORDER NOW, DELIVERY WILL BE MADE AT PLANTING TIME IN FALL.

### Choicest Tulip Varieties

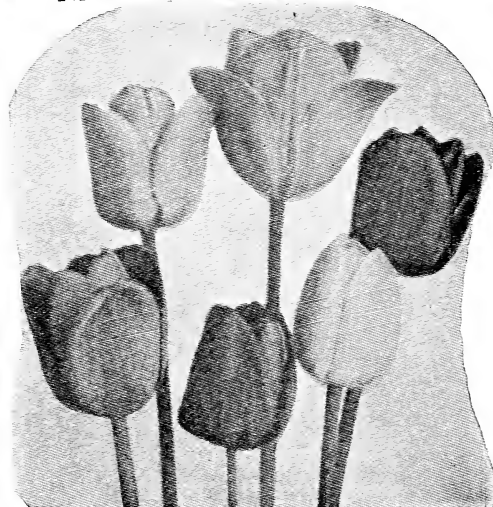
**Clara Butt** (Darwin)—salmon pink, flushed rose....Each 8c, doz. 75c. Prepaid.  
**Farncombe Sanders** (Darwin)—brilliant scarlet....Each 8c, doz. 75c. Prepaid.  
**Euterpe** (Darwin)—exquisite shade of lavender....Each 9c, doz. 90c. Prepaid.  
**Inglescombe Yellow** (Cottage)—golden yellow....Each 8c, doz. 80c. Prepaid.  
**La Merveille** (Cottage)—orange-scarlet, delightfully perfumed.....Each 8c, doz. 75c. Prepaid.  
**Picotée** (Cottage)—pure white, with narrow crimson edge.....Each 8c, doz. 75c. Prepaid.  
**Bronze Queen** (Breeder)—beautiful golden bronze...Each 8c, doz. 75c. Prepaid.

### Special Rainbow Tulip Collection—21 Bulbs

Three of each of the above seven named varieties for \$1.25. Prepaid.

**Single Early Tulips**—mixed colors.....6 for 35c, doz. 60c. Prepaid.  
**Double Early Tulips**—mixed colors.....6 for 45c, doz. 75c. Prepaid.  
**Narcissus—Paper White.** The most popular fragrant indoor flower, easily grown in a bowl of water. Blooms in 6 to 8 weeks, producing pure white starlike flowers. Delivery about Oct. 15th. No. 1 bulb. Each 12c, 6 for 65c, 12 for \$1.15. Prepaid.

Write for Special Fall Bulb Circular Ready September 15th.



Beautiful Long-stemmed Darwin Tulips.

# THE BEST IN GLADIOLI

**Note:** There is a great difference in Gladiolus Bulbs—both in price and quality. The finer varieties, true to name and sure to bloom, cannot be sold for less than we ask. Guard against bulb bargains which may mean inferior quality. We offer blooming size bulbs only, that have been treated for disease and are guaranteed to produce flowers. See inside back cover for prize winning Glads.

Gladioli have become the favorite summer flowers, because of their beauty, ease of culture, and usefulness. By planting early and late sorts of making a succession of plantings, two weeks apart, flowers may be had from the middle of July until October. Plant gladioli among perennials, and in front of shrubbery, and set out a few rows of them in the vegetable garden, for cutflowers.

Gladioli will thrive in any good garden soil, in a sunny open position. Spade the ground deeply, pulverize well, and keep fertilizer away from direct contact with the bulbs, as they burn easily. Apply liquid manure or bone meal, just before blooming time, to increase the size of the flowers. Set the bulbs 3 to 4 inches deep, preferably in rows, planting any time after the ground warms up. They generally bloom in 10 to 15 weeks, depending upon variety and season. Stake if necessary.

## Pink and Rose Shades

**E. J. Shaylor** A beautiful rose-pink, with deeply ruffled petals. Winner of many prizes. Very fine cut flower variety. Each 10c, dozen \$1.00, prepaid.

**Mrs. Frank Pendleton** Bright rose-pink flowers with crimson blotch in throat. Bulbs often produce three spikes of flowers. Each 8c, dozen 80c, prepaid.

**Evelyn Kirtland** A lovely shade of rose pink, darker at the edges. Scarlet blotches on the lower petals. Large, wide open flowers with slightly fluted edges. One of the finest pink glads, dwarf, medium late, excellent for bedding. Each 10c, dozen \$1.00, prepaid.

**Mrs. H. E. Bothin** (Diener). Light geranium pink, heavily ruffled, with flame scarlet center. Strong well built spike, a heavy propagator, blooms late. One of the loveliest combinations in gladioli. Each 12c, dozen \$1.20, prepaid.

**Mrs. Francis King** Brilliant scarlet salmon flowers; lower petals tinted with carmine. Immense flowers on strong, tall spikes. Each 8c, dozen 80c, prepaid.

**Rose Ash** An indescribable odd shade of rose, with Corinthian red markings and lines. Very choice flower. Each 10c, dozen \$1.00, prepaid.

## Crimson and Red Shades

**Crimson Glow** Magnificent tall spikes of deep crimson flowers, very large and showy. Late. Fine cut flower variety. Each 12c, doz. \$1.20, 25 for \$2.00, prepaid.

**Glendale** An unusual shade of red, best described as cherry or cyclamen red. Extra fine. Each 10c, dozen \$1.00, prepaid.

**Halley** Soft orange salmon, very tall and early. One of the best for massing and cutting. Each 8c, 12 for 80c, 100 for \$5.00, prepaid.

**Joe Coleman** Showy light red with lighter throat. Petals deeply ruffled. Very large blooms. Each 12c, dozen \$1.25, prepaid.

**Ida Van** A fine early red, very rich and showy. Each 8c, dozen 80c, prepaid.

## Blue and Purple Shades

**Anna Eberius** (Diener). Dark velvety rosy purple, with deeper throat. The best deep purple. Large flowers on strong stem. Each 10c, dozen \$1.00, prepaid.

**Rev. Ewbank** A lovely Wedgewood blue, with deeper shadings. Tall graceful stems with well placed flowers. Fine for cutting. Each 15c, dozen \$1.50, prepaid.

**Baron Hulot** One of the best blues. A rich violet purple with just a tiny splash of yellow in the throat. Each 8c, dozen 80c, prepaid.

## White, Cream, Yellow and Orange Shades

**Mary Pickford** An exquisite creamy white, with pale yellow throat, rich and distinctive. Each 12c, dozen \$1.20, prepaid.

**Albania** A pure glistening white color. Flowers 4 inches and over in diameter. Wide open broad petals, and the finely ruffled edges give this variety an artistic finish which makes it outstanding. Each 10c, dozen \$1.00, prepaid.

**Alice Tiplady** Tall straight spike with 10 to 12 flowers. Large flowers of orange salmon with golden yellow throat. Each 10c, dozen \$1.00, prepaid.

**Golden Measure** Very large flower, of clear golden yellow. The best yellow gladiolus to date. Each 10c, dozen \$1.00, prepaid.

**Orange Glory** Massive broad spikes of immense flowers, true orange in color. Petals are of thick texture, deeply frilled. A perfect cut flower, one of the most beautiful gladioli ever grown. Each 12c, dozen \$1.20, prepaid.

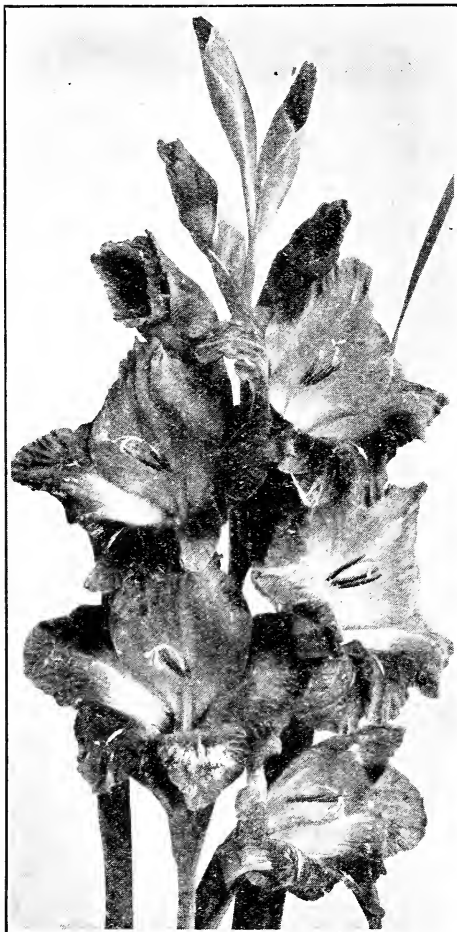
## Treasure Garden Mixture Gladioli

Containing many of the best and newest varieties, also unnamed Hybrids. This fine mixture will delight any flower lover with the gorgeous array of colors and flowers it produces. Dozen 40c, 50 for \$1.50, 100 for \$2.75, prepaid.

**Gladiolus.** A book every flower lover should have, by F. F. Rockwell. Considered the best brief guide on Gladiolus growing. Tells how to plant, fertilize and cultivate; how to harvest and cure; how to handle for cut flowers and all other details. 45 illustrations, 79 pages. Price, \$1.00, prepaid.



E. J. Shaylor.



Crimson Glow.

# Hardy Northern Grown Nursery Stock

**F**ARIBAUT is known far and wide as a seed and nursery center. Here are produced the hardest, newest varieties of Fruits, Berries and Shrubs especially adapted to the severe climatic conditions of our great Northwest.

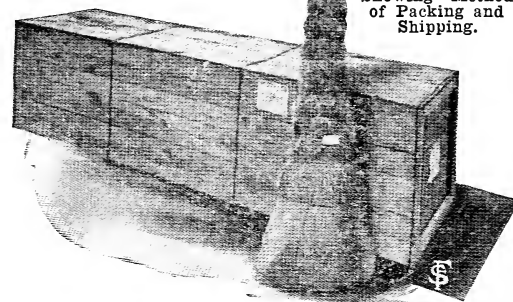
Many of the oldest bearing orchards of the Northwest have their origin in Faribault. Fruits are essential to health—no one can have too much fruit, and now our plant breeders at the University Experiment Stations of Minnesota and South Dakota have given us fruits that compare favorably with the finest offerings of sunny California. The full truth of this statement cannot be appreciated unless one has tried, tested, or grown the newest improved fruits now available.

Now there is no reason for not growing Apples that will keep throughout the winter months, or large juicy Plums like Waneta or Underwood, so fine for eating or canning, or the big yielding, large Red Latham Raspberries so delicious and profitable for market growers.

## OUR FAIR PLAY GUARANTEE

All of our nursery stock carries the Minnesota Inspection Certificate and is guaranteed true to name and in good growing condition. If for any reason you do not find everything just as represented, notify us at once and we will order shipment returned, refund your money or replace the items without charge.

The prices at which we sell our nursery stock are most reasonable, but regardless of our low prices, if the stock fails to grow with proper care, where planting instructions have been followed, we will replace such stock at one half of the catalog price, provided the loss is reported to us not later than August 15, 1930. Replacement will be made the following spring.



Showing Method of Packing and Shipping.

## It's the Flowers—the Trees—the Shrubs—that Make a House a Home

Twenty-five dollars invested in nursery stock will add \$100.00 to the value of your home.

This may surprise you, but careful planning will work wonders. We are here to help you—tell us what you would like to accomplish—how much money you care to spend and our landscape department will recommend the most desirable varieties and arrangement.

If you favor a special plan, send for our landscape blank, ruled in squares. On this, you may indicate the location of your build-

ings, roads, etc., and we will suggest the best possible planting arrangement. You will be surprised how much can be accomplished with a very small investment. We make no charge for this service, however to cover cost of chart, mailing, etc., customers are asked to remit 50c in postage.

We offer only the cream of all the hardy varieties of trees, shrubs and plants suitable for northwestern conditions, and guarantee satisfaction.

**ORDER EARLY.** To insure the best selection of stock, it is most important to have your order in early, so as to reserve the best specimens for you in storage and hold them for prompt shipment when weather conditions permit.

Please add nursery items at the very bottom of the order blank, or use a separate sheet, to keep them separate from seed items.

**PACKING.** All items are securely packed by experts, and guaranteed to reach you in good growing condition. If shipment is damaged, do not accept, but notify us at once. Full instructions for the care and planting of nursery stock are sent with each order.

**METHOD OF SHIPMENT.** Express is usually safest, quickest, and therefore cheapest. The express companies are responsible for safe delivery.

All nursery stock travels at purchasers' expense, and prices do not include transportation charges, unless otherwise stated. We have given approximate weights of actual packages of plants, for guidance only.

### SUCCESS IN PLANTING NURSERY STOCK

We send a booklet, "Transplanting and Managing" with every order. Before you open your package, read this booklet carefully. It not only tells, but illustrates how planting and pruning should be done. You cannot go wrong if you follow these instructions. How to plant is thus made very easy for you.

### CORRECT DISTANCE APART TO PLANT

While there are no set rules, nurserymen and orchardists consider the following distances most satisfactory:

	Feet Apart
Apple Trees .....	25 to 30
Cherry Trees .....	12 to 18
Plum Trees .....	12 to 18
Pear Trees .....	15 to 18
Grapes .....	6 to 8
Currents .....	3 to 4
Gooseberries .....	3 to 4
Red Raspberries .....	4 to 5
Black Raspberries .....	4 to 5
Strawberries .....	In rows 4 ft. apart

Complete instructions for trimming and pruning are given in the booklet "Transplanting and Managing" to be sent to you with your order.

**Parcel Post.** We can ship by mail, two or three 4-5 ft. trees, or four or five 3-4 ft. trees the postage being 25c to 50c, depending upon the distance.

If parcel post shipment is wanted, be sure to send us enough postage to cover, also the extra weight of packing. Any overpayment will be refunded.

Express or freight shipments are sent charges collect, unless yours is a prepaid station.

If yours is a prepaid station, full transportation charges must be sent with the order and goods can be sent at purchaser's risk only.

The postoffice department will not accept parcels measuring more than 72 inches in combined length and girth.

We cannot send C. O. D. shipments unless one-half of the amount due is sent with the order.

We usually ship from March 15th to the middle of May, weather permitting.

Owing to the expense of handling and packing Nursery Stock for safe shipment we cannot accept orders for trees, shrubs, or plants amounting to less than 60c.

### SUCCESS WITH EVERGREENS

Evergreens are always growing and therefore planting should be done carefully. Use care at all times that the roots are not exposed to the air. Keep them covered and never allow the bare roots to be exposed to the sun or wind.

Dig the hole for the tree so that the roots have a great plenty of room and place the tree in such a position that it will stand several inches deeper than it stood in the nursery. Use good top soil about the roots, working it carefully all around among them. As soon as the hole is partly filled and the roots covered with earth, tramp them firmly, then water with a pail or two of water and when that has settled away, fill the balance of the hole with loose dirt. Do not fill the hole higher than the level of the surrounding ground, as this will cause the surface water to flow away from the tree instead of toward it. Keep the surface of the soil about the tree cultivated and loose or covered with a good mulching of straw, manure, or lawn clippings.

When watering any tree or shrub, remember the roots are down a foot or more and it takes a lot of water to get that far down. Sprinkling the ground is of no benefit. Enough water must be put on to soak down to a considerable depth. Plenty of water the first year or two helps greatly to insure the success of your planting.

Evergreens that are balled and burlapped may be dipped in a tub of water to thoroughly moisten roots, then plant burlap and all. Before completely filling a hole with soil, cut the burlap at the top of the ball and throw it back three or four inches.

Our Evergreens will come to you in perfect condition. Observe these simple rules and you will be sure of success.

# GROW YOUR OWN APPLES

The cost is much less than buying them, and they will assure you of a good income besides. Apple orchards in Minnesota the past year showed cash incomes of \$500 to \$600 per acre.

The newer Minnesota fruits are recognized on the market as top quality and the demand is increasing from year to year. No better investment could be made than planting a small apple orchard on every farm. Right now is the favorable time for planting and here are the reasons:

First—There has been a decrease of 23 per cent in bearing trees and a decrease of 45 per cent in orchard trees not yet come into the bearing state, as compared to ten years ago. This means that the supply of apples will be below normal for a number of years to come.

Second—We now offer hardy red winter apples of good commercial quality that will hang on the tree until picked. The Haralson enables every home owner to enjoy his own apples throughout the entire winter and early spring.

More fruit is being used than ever before—its value to better health and greater happiness is increasing the demand by leaps and bounds. Be ready to cash in by starting your orchard this spring. You will never buy hardy, dependable trees of the newest and best varieties for less than our direct-to-customer prices.

**DUCHESS OF OLDENBURG.** One of the best early summer apples; beautiful dark red—very hardy—an immense bearer; of exceptionally fine flavor and very highly prized since it is one of the season's earliest good apples.

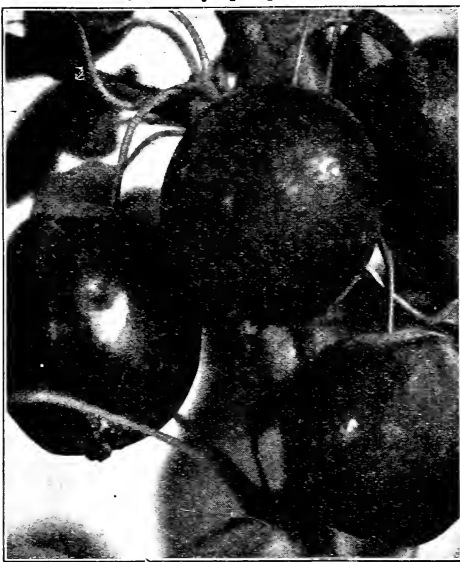
**WEALTHY.** The leading apple for its season throughout the Northwest. The fruit is large, a beautiful shade of deep red, and the flavor excellent. It is about the best eating apple that can be grown in the Northwest and ranks with Haralson in quality and commercial value. The Wealthy is a good keeper also and bears exceptionally heavy. As a market apple, or for home use throughout the winter, we could recommend no more satisfactory variety. There is always a market for the Wealthy and a good price awaiting the grower. The best orchards in the Northwest contain more Wealthy apple trees than any other variety.

**NORTHWESTERN GREENING.** The fruit is very large, smooth, handsome, turning yellow as it matures. This is one of the best baking and cooking apples for late winter and spring. Season from December to March. Every orchard should have at least a few Northwestern Greenings.

**McINTOSH RED.** This variety has come into rapid favor as one of the most important fall and early winter varieties. Large orchards are being set out with McIntosh Red predominating. An exceptionally fine eating apple, of good size, bright red color, and a delicious aromatic flavor. Season, January.

**YELLOW TRANSPARENT.** No orchard should be without a few of these delicious golden yellow apples. Good to eat long before other varieties are ready. Fruit large, yellow with crisp meat and a delicious flavor.

YOU CAN ALWAYS SAVE MONEY DEALING DIRECT.



Dolgo, the Perfect Crab.

## DOLGO—The Perfect Crab

Here is the aristocrat of the Crab Apple family. It is not the kind of a Crab we have known in days gone by, but a fruit tree that should be on every home ground.

To begin with, it has rare beauty as an ornamental lawn tree. It is extremely hardy, having been tested out in North and South Dakota. It is not subject to blight as were the old varieties. Bears an abundance of fruit and no long wait, for young baby trees in the nursery row have been known to bear fruit the third season.

Now, best of all—the apple itself is a very rich red and jells perfectly even when dead ripe. It is one of the finest canning varieties and so far the demand has exceeded the supply.

If you want something outstanding that you can point to with pride, include Dolgo Crabs in your order.

Prof. Alderman, Chief, Division of Horticulture, University of Minnesota, states: "The Dolgo Crab is the best one I know of for northern conditions. It makes a handsome lawn tree with its symmetrical outline, light green foliage and fiery red fruit. The medium sized conical fruits make an excellent and well-colored jelly. I believe it will ultimately become the most popular crab apple."

3 to 4 ft. 60c each, three trees \$1.65; 4 to 5 ft. \$1.00 each, three trees \$2.75; 5 to 6 ft. \$1.50 each, three trees \$4.20.

**WHITNEY CRAB.** This well-known favorite hardly needs description. A favorite in the home for canning and preserving. Boys like it because it is so good to eat off the trees. Fruit is of good size—very highly colored—free bearer, producing immense crops. You cannot go wrong on a few trees of the Whitney Crab.

**DART CRAB.** A large fine flavored crab of good quality—one of the best for jellies, pickles and canning. Trees bear abundant crops and it is one of the favorite varieties.

## PRICES ON APPLE TREES UNLESS OTHERWISE QUOTED.

3-4 ft., 40c each—10 trees assorted, \$3.50. 4-5 ft., 50c each—10 trees assorted, \$4.50.  
Postage on two to three 3-4 ft. trees, 25c; on four to five 4-5 ft. trees, 50c.

## HARDY GRAPES

Grapes are easily grown in any garden soil and pay the biggest dividends for the small attention required. These are the hardiest dependable sorts. Prune grapes from Nov. to March.

**BETA.** Is as hardy as the wild grape and produces heavy crops every year. The fruit is of medium size, black, good quality, ripens early, so can be grown far north. Beta Grapes easily sell at \$4.00 per bushel. There is a good demand for the fruit for jelly and grape juice. Price, 2-yr. No. 1 plants, 25c each, prepaid. 10 for \$1.80, not prepaid. Ask for special prices in larger quantities.

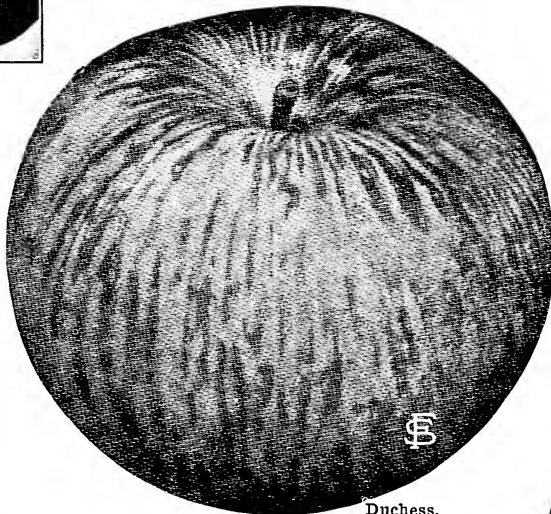
**CONCORD.** Large purplish black fruit, ripens middle of September. Suited to southern half of Minnesota with winter covering. Price, 2-yr. No. 1 plants, 25c each, prepaid. 10 for \$1.25, 25 for \$2.90 not prepaid (weight per 10 plants, about 6 lbs.) Ask for special prices in larger quantities.

## Hardy Nursery Stock a Lasting Investment

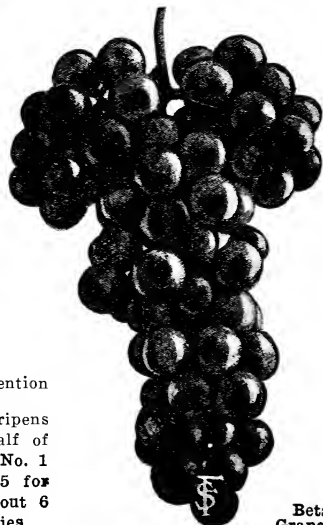
When you buy nursery stock you make an investment for years to come. The benefits and value this investment will add to your place depend upon the reputation and dependability of the growers you are dealing with.

We back up our products with a record of 42 years of square dealing and save you money on the original investment.

## All Prices Are F O B-Faribault



Duchess.



Beta  
Grape.



# Nature's Choicest Fruits

## The Big Red Haralson Apple

The new big red Haralson Apple is the prize origination of the Minnesota Experiment Station. No finer red Winter apple has ever been introduced—it has most of the qualities of the Wealthy, with some in addition. The outstanding feature of the Haralson is its keeping quality—keeping in perfect condition until late in the Spring.

The Haralson is also free from blight, for while in the midst of other varieties badly affected by blight, the Haralson stood through it all entirely unaffected.

Best of all, the Haralson has the tendency to bear early—Haralson orchards therefore come into bearing much more quickly than most other varieties. It produces a good size, deep red apple of excellent flavor, and every home owner should have a few Haralson apple trees.

Why pay 10c per pound for apples shipped thousands of miles, when better quality fruit can be grown at your back door, to be enjoyed all Winter long. Since Haralson is in greatest demand of all apples at the present time, the wise planter will place his order early to avoid disappointment.

PRICES	
3-4 ft. ....	\$0.50 each; 5 trees, \$2.25; 10 trees, \$4.00
4-5 ft. ....	.60 each; 5 trees, 2.75; 10 trees, 5.00
5-6 ft. ....	1.00 each; 5 trees, 4.50; 10 trees, 8.25

## Anoka—The Surprise Apple

Fruit the second season—wouldn't that surprise you? Then wouldn't you be further surprised to find a real quality apple, early to ripen, of fine color and excellent flavor? This sturdy little tree bears the second year, and each year thereafter, resisting blight and producing a consistent crop of fruit. It is well suited for the Northwest, and was originated by Prof. Hansen of the South Dakota Experiment Station. A one-year-old tree at the Agricultural Experiment Station, Fargo, North Dakota, bore 26 good apples the second year. No need of waiting five to six years to enjoy your own fruit.

PRICES: 3-4 ft., 50c each; 5 trees, \$2.25; 10 trees, \$4.00. 4-5 ft., 75c each; 5 trees, \$2.75; 10 trees, \$5.00. 5-6 ft., \$1.50 each; 5 trees, \$6.00; 10 trees, \$10.00. (Bearing size).

### TRANSPORTATION CHARGES

All prices quoted are f.o.b. Faribault unless otherwise specified. Allowance must be made in remitting to cover postage or express.

We can ship by parcel post two or three 4- to 5-ft. trees, or four or five 3- to 4-ft. trees. Postage averages from 25c to 50c. Any over-payment will be refunded promptly. Unless shipping charges are included, we reserve the right to ship express collect.



Anoka Apple.

## Hardy Cherries

The Minnesota Fruit Breeding Farm has developed some remarkable varieties of Cherries, making it possible for every one to raise Cherries in his own garden. Trees are dwarf, can be set ten feet apart and they begin fruiting the second year. Prof. Alderman of the Minnesota University recommends planting a collection of several varieties of Cherries to insure cross pollination and heavy fruiting.

**Nicollet Cherry** About the size and flavor of the Michigan and Wisconsin Pie Cherry—pits are small and the cherries ideal for pies or for canning. We offer extra strong, bearing size trees. Prices below.

**Zumbra Cherry** Nearly black—of good size, very meaty—small seeds and easily removed. The Zumbra tastes like the big sweet California cherries usually

Nicollet Cherry.

selling at 30c to 40c per lb. Every garden should have a few Cherry Trees. Prices quoted below.

**Compass Cherry** Hardy all through the Northwest and Canada. Makes delicious pies, conserves, etc. Small black cherry, thin skin, sweet and fragrant. Blooms with Zumbra and Nicollet. Prices quoted below.

Prices of all the above varieties of hardy Cherries:	
3-4 ft. ....	.50c each; 5 trees, \$2.25; 10 trees, \$4.00
4-5 ft. ....	.60c each; 5 trees, 2.60; 10 trees, 4.75

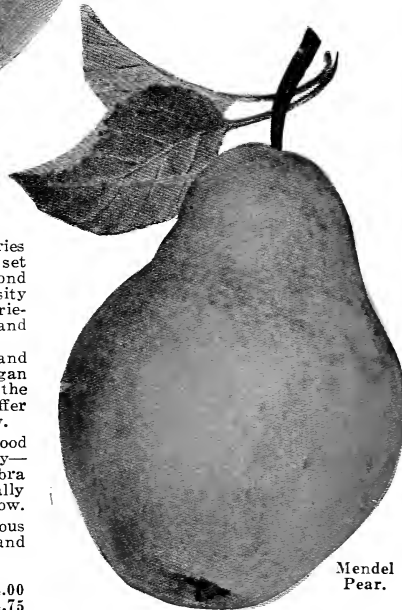


Big Red Haralson.

## The Mendel Hardy Pear

A Minnesota origination that has withstood the severest Winters without protection. The only variety suitable for the North, producing fruit wherever apples may be grown. The fruit is of medium size, sweet in flavor, juicy and of choice quality throughout. The color is a golden yellow and the flowers are self pollinating.

PRICES: 2-3 ft., 60c each; 5 trees, \$2.50. 3-4 ft., 75c each; 5 trees, \$3.25.



Mendel Pear.

## Famous Hansen Plums

These wonderful Plums were originated and introduced by Prof. Hansen of the South Dakota Agricultural College, one of America's foremost plant breeders. They are as hardy as native wild Plums and have the delicious flavor and quality of fancy western fruit. Prof. Hansen advises that Sapa and Opata Plums be grown in bush form, rather than as trees. You get nearly twice as much fruit and the trees last longer, withstanding storms and heavy loads of fruit much better.

**OPATA.** Earliest of all Plums and famous for its rich, wonderfully delicious flavor. Flesh is light green color with a purplish red skin. Very productive and hardy.

**SAPA.** Bears heavily the second year. Plums turn to deep glossy purple, almost black. The flesh is deliciously sweet and juicy, with very tender skin. It makes wonderful conserve and jelly. Plums will hang on the trees for three weeks in good condition and are of luscious flavor.

**WANETA.** Prof. Hansen's largest and best Plum; grows as big as a large peach. Beautiful, big red plums of delicious flavor, as good as the California Plums. Bears every year and should be in every orchard or garden.

Prices of above Hansen Hybrid Plums: 3 to 4 ft., 40c each; 5 trees, \$1.90; 10 trees, \$3.50. 4 to 5 ft., 50c each; 5 trees, \$2.25; 10 trees, \$4.25. Not prepaid.

Sapa Plum.

## New Minnesota Plums

**UNDERWOOD.** The best, most widely and favorably known of the many Plums originated at the Minnesota Fruit Breeding Farm. Underwood bears annually, is of large size and excellent flavor; flesh firm, small pit. It may be readily peeled for canning. Underwood and Waneta should be planted near together for cross-pollination and to insure setting of fruit.

**MONITOR.** A pronounced success since it was first fruited in 1913. The Monitor produces fruit averaging 1½ inches in diameter. Color is dark red; flesh tender, sweet, juicy and firm. Very fine quality. Season, August 15th to September. An excellent Plum for home or market. Trees are perfectly hardy and grow in upright position.

**TONKA.** This Plum has stood the severest tests of soil and climate for 20 years. Trees are exceptionally hardy and very productive. Fruit large, small pits, medium light red; flesh yellow, firm, sweet and tender. Skin is smooth. Season, August 15th to September. Excellent commercial Plum on account of its long keeping and shipping qualities.

Prices of above Minnesota Plums: 3- to 4-ft. trees, 45c each; 5 trees, \$2.25; 10 for \$4.00. 4- to 5-ft. trees, 60c each; 5 trees, \$2.75; 10 for \$5.00. Not prepaid.

Underwood Plum.

## Big, Luscious Red Raspberries

### LATHAM—Mosaic-Free Raspberry

The pride of the Minnesota Fruit Breeding Farm, for the Latham has outstripped every other variety in point of yield and hardiness. The fruit is larger than other varieties—easy to pick and commands top market prices. In a yielding contest, Latham produced 5,430 quarts per acre. This wonderful Raspberry received the highest award of state and nation in 1927 when

the American Pomological Society awarded to Latham the "Wildner" medal. This award is given for new fruit varieties of outstanding merit. It is considered the highest award of its kind in America and has never before been given to any Raspberry. In addition to this, Latham also received a medal from the Minnesota State Horticultural Society on account of its unusual value.

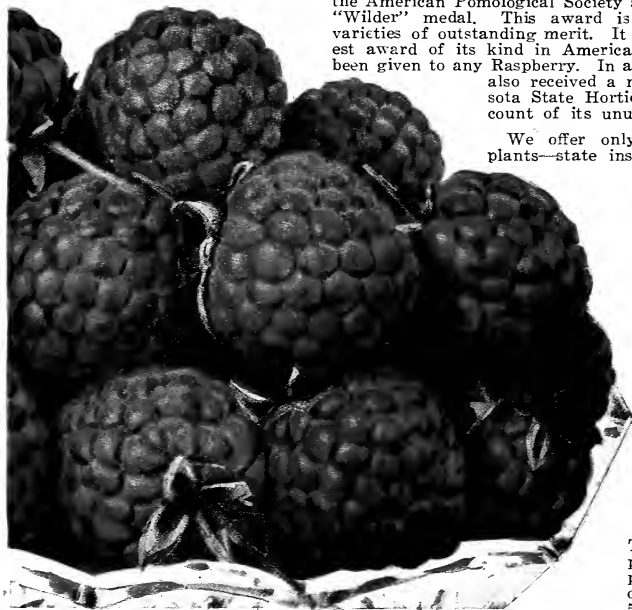
We offer only Mosaic-Free Latham plants—state inspected—free from disease, that you can depend on for the most satisfactory results. Our famous Redpath strain of Latham is considered superior to all others. Even the smallest garden patch should have a few bushes—they are easy to grow and the returns most surprising.

### EARLY KING

The Mosaic-Free King is very prolific and an exceptionally fine berry. Ripens at the time when Raspberries are very high on the market. Best fruit for home or for the market. Prices, Mosaic-Free Latham and King Raspberries: 10 plants for \$1.50, prepaid. 25 plants, \$2.90; 50 plants, \$3.75; 100 plants, \$6.00; 500 plants, \$25.00; 1000 plants, \$45.00. Not prepaid (weight per 25 plants, 3 lbs.).

### Black Raspberry, CUMBERLAND

The most satisfactory black variety. It is a vigorous grower, producing large sized berries in great abundance. The most profitable market berry on account of its keeping and shipping qualities. Price, 10 1-yr. plants, 50c, prepaid. 25 plants, \$1.10; 50 plants, \$2.10; 100 plants, \$4.00. Not prepaid.



Latham Raspberry.



Cumberland Black Raspberry.



Belle de Nancey.

Alphonse Lavalle.

Marie Le Graye.

Gloria.

## New French Hybrid Lilacs

Most wonderful progress has been made in Lilac breeding and the new French Hybrids are distinctly beautiful; of rich, delicate hues; flowers of large size and delightfully fragrant. They bloom very early, even when but two feet high, and the demand for them is exceptionally heavy.

**BELLE DE NANCEY.** Great panicles of double, rose-red flowers, with center a whitish tint. One of the most beautiful of the new hybrids. 2-yr., field-grown plants, 50c each; 3-yr., 75c, postpaid.

**ALPHONSE LAVALLE.** Very compact heads; large panicles and a very free bloomer; color changing from intense blue to violet; very double. 2-yr., field-grown plants, 50c each; 3-yr., 75c, postpaid.

**MARIE LE GRAYE.** Pure creamy white. The large, single heads cover the entire bush. Blossoms when two years old; excellent for cut flowers. 2-yr., field-grown plants, 50c each; 3-yr., 75c, postpaid.

**GLORIA.** Very attractive light pink flowers; most profuse bloomer. Excellent for cut flowers. 2-yr., field-grown plants, 50c each; 3-yr., 75c, postpaid.

**SOUVENIR DE LUDWIG SPAETH.** Rich deep purple; immense clusters of large flowers. One of the very choicest. 2-yr., field-grown plants, 60c each; 3-yr., 90c, postpaid.

### Special Offer

Five New Hybrid French Lilacs. One plant of each of the above five varieties. 2-yr., field-grown plants, \$2.40; 3-yr., \$3.50, not prepaid.

### Rose Collection Offer

One bush each of the following 5 Roses illustrated:  
No. 1—Sarah Van Fleet. No. 2—Sir Thomas Lipton. No. 3—Hansa. No. 4—Los Angeles. No. 5—General Jacqueminot.

Postpaid \$2.75  
for

## Special Varieties of Roses

**GENERAL JACQUEMINOT.** Hybrid Perpetual. A universal favorite. Very fragrant; perfectly formed blossoms; brilliant scarlet-crimson color. Long stems. Very hardy. (No. 5 on color plate). 2-yr. bushes, 50c each; 3 for \$1.40, postpaid.

**PRINCESS ADELAIDE.** Perfectly hardy without Winter protection. Color bright silvery pink; flowers exceptionally large. A profuse bloomer and one of the very best Moss Roses. 2-yr. bushes, 30c each; 3 for 75c, postpaid.

**LOS ANGELES.** A gorgeous flame-pink Rose, shaded with gold at base of petals. Foliage heavy, on strong stems; blooms profusely. (No. 4 on color plate). 2-yr. bushes, 75c each; 3 for \$2.00, postpaid.

## Hardiest Garden Roses

Roses should be found in every garden. The Hybrid Perpetual and Rugosas are the very hardiest and continue blooming throughout the season. We offer heavy, 2-year-old, field-grown plants.

### Hybrid Rugosa

**BELLE POITEVINE.** Soft pink; long, pointed bright buds open into very large, double flowers. 2-yr. bushes, 50c each; 3 for \$1.40, postpaid.

**SIR THOMAS LIPTON.** Early, free flowering; large, white, double flowers. (No. 2 on color plate). 2-yr. bushes, 50c each; 3 for \$1.40, postpaid.

**HANSA.** Rich, double red; free flowering and fragrant. Always dependable. (No. 3 on color plate). 2-yr. bushes, 50c each; 3 for \$1.40, postpaid.

**GROOTENDORST.** A new Hybrid; produces clusters of bright crimson blooms. Strong and compact. Blooms until Fall. 2-yr. bushes, 75c each; 3 for \$2.00, postpaid.

**SARAH VAN FLEET.** One of the hardest clear pink varieties; very free bloomer; intensely fragrant. Foliage dark green; disease resistant. (No. 1 on color plate). 2-yr. bushes, 75c each; 3 for \$2.00, postpaid.

### Climbing Roses

**CRIMSON RAMBLER.** An extremely hardy climbing Rose; large, crimson flowers; very double. 2-yr. bushes, 30c each; 4 for \$1.00, postpaid.

**CRIMSON BABY RAMBLER.** Produces large clusters of small, double, bright red flowers. Blooms profusely; very hardy. 2-yr. bushes, 45c each; 2 for 85c, postpaid.

**DOROTHY PERKINS.** Delicate light pink Rose in clusters; deep, glossy foliage. Fine for trellis and fences. 2-yr. bushes, 30c each; 4 for \$1.00, postpaid.

**GARDENIA.** Yellow Rambler; blooms early and very freely; glossy foliage. Flowers very fragrant. Perfectly hardy. 2-yr. bushes, 40c each; 2 for 75c, postpaid.

**MARY WALLACE.** A new, large, bright clear rose, with salmon base; fine glossy foliage. Flowers exceptionally large. 2-yr. bushes, 40c each; 2 for 75c, postpaid.

## Special Varieties of Roses

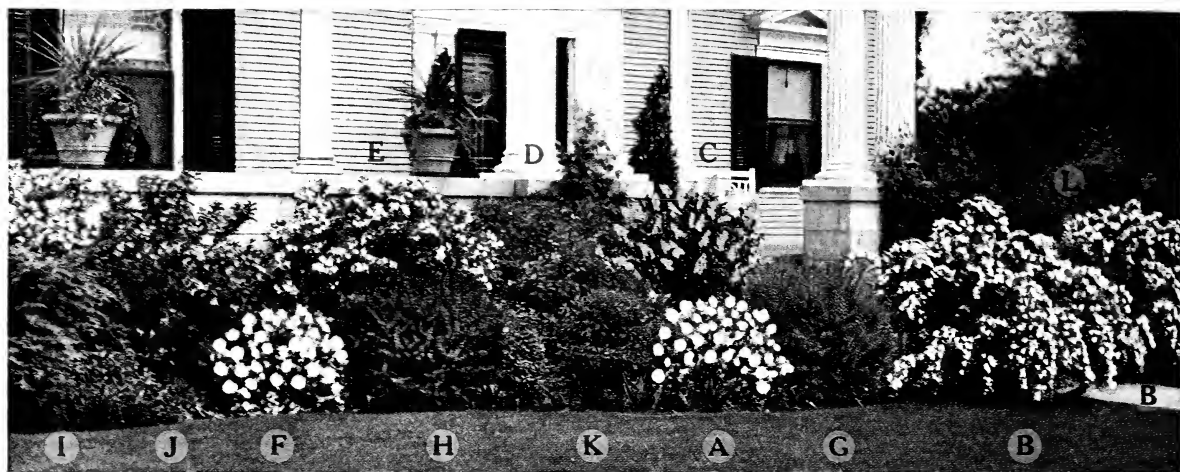
**HARRISON'S YELLOW.** A fine, double, golden yellow Rose. Perfectly hardy; large size bush; very showy and a free bloomer. 2-yr. bushes, 50c each; 3 for \$1.40, postpaid.

**PAUL NEYRON.** Bright deep pink-rose; immensely double. Strong, smooth stems; continuous bloomer. 2-yr. bushes, 50c each; 3 for \$1.40, postpaid.

**DR. E. M. MILLS.** A new introduction. Small, pink Roses; blooms profusely; slender branches; prettiest early Rose. Foliage attractive. 2-yr. bushes, 50c each; 3 for \$1.40, postpaid.

**MAGNA CHARTA.** Finely formed flowers of bright rose-pink. Profuse bloomer. Hybrid Perpetual. 2-yr. bushes, 50c each; 3 for \$1.40, postpaid.





## It's Not a Home Until the Shrubs Are Planted

Nothing will add more to the beauty and value of your home than ornamental shrubs or trees properly placed. To help you arrange them for the most pleasing effect, we offer several plans on the opposite page. We list below the outstanding varieties of shrubs and have keyed them with the illustration above. The same key is used in the planting plans, so that you may picture in your mind the beautiful effect that may be made possible for so little money.

**A.—HYDRANGEA PANICULATA GRANDIFLORA.** Very showy, with immense clusters of white. Blooms in August. Blooms same season they are planted. Price, 2-yr., field-grown plants, 35c; 3-yr., 70c.

**B.—SPIREA VAN HOUTTEI.** The most popular of all shrubs. A mass of white blossoms in May. Very hardy. Should be in every planting. Excellent for hedging. Price, 2-yr., field-grown plants, 25c; 3-yr., 45c.

**C.—PERSIAN LILAC.** Blooms more freely on younger bushes than common Lilac. Very fragrant. Flowers deep purple or white. Fine for high foundation and screen planting. Price, 2-yr., field-grown plants, 40c; 3-yr., 70c.

**D.—GOLDEN ELDER.** A very showy golden leaved bush that will flourish under most all conditions. A rapid grower—may be trimmed to any desired height; produces large, flat, white blossoms, followed by red-purplish berries in late summer. Price, 2-yr., field-grown plants, 30c; 3-yr., 60c.

**E.—SPIREA BILLIARDI ALBA.** Plume-like flowers of pure white; upright growth. Medium height. Fine foliage. Price, 2-yr., field-grown plants, 30c; 3-yr., 50c.

**F.—HYDRANGEA ARBORESCENS** (Snowball Hydrangea). Most valuable for landscape planting. Produces large, globe-shaped flowers in great abundance. White color, tinged a delicate pink. Blooms during September and October. Price, 2-yr., field-grown plants, 35c; 3-yr., 70c.

**G.—BARBERRY THUNBERGI** (Japanese). Very attractive and showy during the entire season and particularly late Fall when it turns to a gorgeous orange and scarlet. Is effective during the entire Winter as it has beautiful red berries. Not subject to rust. Price: 2-yr., field-grown plants, 30c; 10 plants, \$2.50. 3-yr., field-grown plants, 45c; 10 plants, \$4.00.

**H.—NEW RED-LEAVED BARBERRY.** The showiest, most attractive shrub of all with its glowing red foliage. It is perfectly hardy, absolutely rust-proof. Has the same graceful foliage as the Japanese and does best in sunlight. Supply limited. Price, 2-yr., field-grown plants, 75c.

**I.—SPIREA ARGUTA.** The earliest blooming Spirea, growing 5 feet tall. Slender and graceful form with delicate leaves. Pure white flowers are produced in great profusion. Price, 2-yr., field-grown plants, 50c; 3-yr., 70c.

**J.—ROSE TREE OF CHINA** (Prunus Triloba). Without question the most striking flowering shrub for early Spring. Every branch completely covered with small, double roseline, pink flowers in May, before the leaves are out. Price, 2-yr., field-grown plants, 50c; 3-yr., 75c.

**K.—SPIREA FROEBELI.** Very fine dwarf shrub covered from July to September with a mass of bright rose colored flowers. Excellent for low foundations and in front of other shrubs. Price, 2-yr., field-grown plants, 30c; 3-yr., 45c.

**L.—BUSH HONEYSUCKLE** (Tartarian). Blooms in May followed by bright red berries throughout the Summer. Good for foundation and screen plantings. Price, 2-yr., field-grown plants, 30c; 3-yr., 50c.

**SYRINGA** (Philadelphus). Has large white flowers, similar to orange blossoms. Highly scented. Grows 5 to 8 ft. tall. Very graceful and one of the best all around shrubs. Price, 2-yr., field-grown plants, 30c; 3-yr., 60c.

**RED BERRIED ELDER.** Large white flowers, same season as Snowball, followed by large bright red berries in June. Very hardy and sturdy—not subject to disease. Fine for screen planting—will do well in shade. Price, 2-yr., field-grown plants, 30c; 3-yr., 60c.

**RED LEAF PLUM.** A new shrub introduced by the Minnesota Fruit Breeding Farm. Very striking purple foliage—fine color effect. Used as specimen tree or for screen planting. White blossoms. Price, 2-yr., field-grown plants, 60c; 3-yr., 90c.



No. 1—Mugho Pine. No. 2—Norway Spruce. No. 3—American Arbor-Vitae. No. 4—Black Hills Spruce. No. 5—Mountain Ash. No. 6—Spirea Van Houttei. No. 7—Crimson Rambler Rose.  
See page 48 for description and prices of Evergreens and Ornamental Trees.

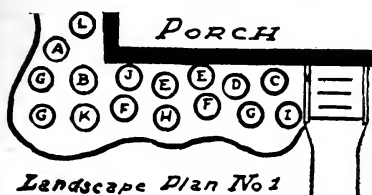


# LANDSCAPE PLANS TO SUIT EVERY LOCATION

The simplest home may be transformed to a "thing of beauty" by the careful selection of flowering shrubs. The cost is so small and the effect most wonderful if the shrubs are properly selected so as to produce a continuation of bloom and foliage throughout the season.

Each plan represents a real bargain and is made up of our best specimen shrubs, most of which are illustrated on the opposite page.

## PLAN NO. 1—16 SHRUBS.



This wonderful collection illustrated on opposite page consisting of the following:

- 1—A Hydrangea P. G.
- 1—B Spirea Van Houttei.
- 1—C Persian Lilac.
- 1—D Golden Elder.
- 2—E Spirea Billardi.
- 2—F Snowball Hydrangea.
- 3—G Japanese Barberry.
- 1—H Red Leaf Barberry.
- 1—J Spirea Arguta.
- 1—J Rose Tree of China.
- 1—K Spirea Froebeli.
- 1—L Bush Honeysuckle.

### PRICE

2-year size,

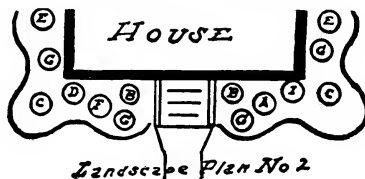
\$5.60.

3-year size,

\$8.95.

Not prepaid.

## PLAN NO. 2—14 SHRUBS.



An artistic arrangement of the most dependable shrubs. It takes less than a \$5.00 bill to buy this collection and it will add \$100.00 to the value of your home in just a few years.

- 1—A Hydrangea P. G.
- 2—B Spirea Van Houttei.
- 2—C Persian Lilac.
- 1—D Golden Elder.
- 2—E Spirea Billardi.
- 1—F Snowball Hydrangea.
- 4—G Japan Barberry.
- 1—J Spirea Arguta.

### PRICE.

2-year size,

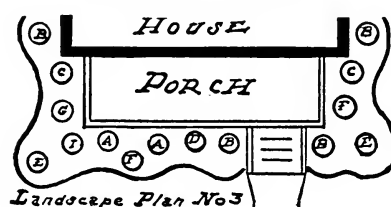
\$4.40.

3-year size,

\$7.45.

Not prepaid.

## PLAN NO. 3—15 SHRUBS.



Most of the same shrubs are used in all plans—just because they are the best grown. Only by dealing direct with the grower are such values possible.

- 2—A Hydrangea P. G.
- 4—B Spirea Van Houttei.
- 2—C Persian Lilac.
- 1—D Golden Elder.
- 2—E Spirea Billardi.
- 2—F Snowball Hydrangea.
- 1—G Japan Barberry.
- 1—J Spirea Arguta.

### PRICE.

All for

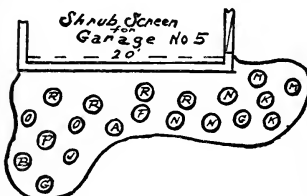
\$4.65

3-year size,

\$8.45.

Not prepaid.

## PLAN NO. 5—OUTDOOR LIVING ROOM SCREEN PLANTING.



The back yard is coming to the front—an outdoor living-room is just the thing. What could be more restful than an artistic arrangement of flowering shrubs and trees placed so as to screen unsightly objects and add charm to your premises? Planting instructions go with every order.

- 3—R Lombardy Poplar.
- 2—M Villoso Lilac.
- 3—N French Lilac. Assorted.
- 3—O Red Berried Elder.
- 1—P Red Leaf Plum.
- 1—B Spirea Van Houttei.
- 1—J Rose Tree of China.
- 1—F Snowhill Hydrangea.
- 1—A Hydrangea P. G.
- 2—G Japanese Barberry.
- 2—K Spirea Froebeli.

### PRICE—

20 Shrubs and  
Trees.

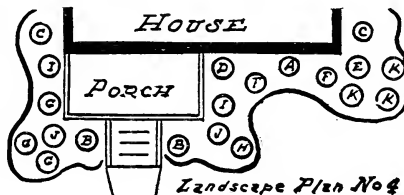
2-year Size \$7.80

3-year Size 11.95

Weight, 75-90 lbs.

## LANDSCAPE PLAN NO. 4—20 SHRUBS.

We cannot make changes in varieties called for in selling these collections according to plan number. If changes are desired, make up your order from shrubs listed on page 46.



- 1—A Hydrangea P. G.
- 2—B Spirea Van Houttei.
- 2—C Persian Lilac.
- 1—D Golden Elder.
- 1—E Spirea Billardi.
- 2—F Snowball Hydrangea.
- 3—G Japan Barberry.
- 1—H Red Leaf Barberry.
- 2—J Spirea Arguta.
- 2—J Rose Tree of China.
- 3—K Spirea Froebeli.

### PRICE.

2-year size,

\$7.30.

3-year size,

\$11.45.

Not prepaid.

**Just a few dollars in shrubs or trees will work marvels with your place.**

The illustration shows an effective screen planting. Most of these shrubs are included in the above collection.

Our Landscape Department will be glad to submit special plans for any particular purpose or plot you wish to improve. Send for special Landscape Blank, ruled in squares. On this, you may indicate the location of your buildings and other objects and we will prepare complete plans. No charge is made for this service, except a 50c fee to cover cost of chart, mailing, insurance, etc.



Screen Planting for Outdoor Living Room.

All quotations are f. o. b. Faribault. We ship the safest and most economical way—If you leave it to us.

# Evergreens-Shade and Ornamental Trees



Black Hills Spruce

**COLORADO BLUE SPRUCE (Green).** Belongs to the same family as the silver-blue variety though foliage of a bluish-green. Very effective to plant for landscape work. Twice transplanted, well rooted trees, balled and burlapped.

Price: 12 to 18 inch, \$2.75 each.

**PYRAMIDAL ARBOR-VITAE.** The outstanding dwarf ornamental Evergreen for home planting. Can be used close to the house or walk. Most effective in groups or pairs when used for orna-

There is nothing that reflects the culture and refinement of the owner as do carefully planted and well kept home grounds. Not only do Ornamental Trees and Evergreens add to the beauty and comfort of the place, but to the selling value as well.

We will be glad to assist in the planting arrangement of your place if you will send a sketch of the grounds you wish to beautify, or ask for our landscape blank, ruled in squares, on which to indicate the location of your buildings, roads, size of your grounds, etc. Our landscape department will be glad to offer you expert advice in the proper planting arrangement. We make no charge for this service other than a 50c fee to cover cost of chart, mailing, etc.

We offer only the choicest, hardest and most dependable trees, suitable for Northwestern conditions, and guarantee all shipments to reach you in first class condition.

## HARDY EVERGREENS

The bright, warm foliage of the Evergreen is a most welcome note in the landscape. For their winter cheer, especially, they can not be excelled. In this northern section where the winters are long, their cheerful, green color, in contrast with the snow, is a continual source of pleasure. Modern plantings nearly all include evergreens some place on the grounds.

See page 46 for specimen Evergreens in natural colors.

**AMERICAN ARBOR-VITAE.** One of the most valuable native Evergreens that is very easy to grow. The American Arbor-Vitae will thrive in most any situation—is suitable for ornamental planting, hedging or windbreak. Can be easily controlled by trimming.

Price: Specimen stock, twice transplanted, 18 to 24 inches 85c each. 2 trees for \$1.50.

**BLACK HILLS SPRUCE.** An exceptionally fine Evergreen, extensively used for landscape planting, also for windbreak. This Evergreen belongs to the White Spruce family; grows very bushy, compact and symmetrical. Has unusually thick foliage and is easy to grow. We offer choice specimen trees with a well developed root system, twice transplanted.

Price: 12 to 18 inch, \$1.20 each; 2 trees \$2.20. 18 to 24 inch, \$2.00 each; 2 trees \$3.80.

**COLORADO BLUE SPRUCE. (Silver Blue).** A most beautiful Evergreen from the Rocky Mountain district. Is perfectly hardy, with heavy foliage and short stiff needles. Very symmetrical and graceful. The foliage is of a beautiful silver-blue color. Well rooted, and twice transplanted. Shipped with ball of earth and burlapped.

Price: 12 to 18 inch, \$5.00 each.

mental planting. Grows compact and is of natural pyramidal form. Twice transplanted trees, shipped balled and burlapped.

Price: 18 to 24 inch, \$3.00 each.

**DWARF MUGHO PINE.** A very hardy, dwarf, bushy and compact tree. Easily controlled by trimming. Will thrive in most any location. Requires but little space and is especially desirable for landscape planting and foreground position. Dark rich green foliage with long stiff needles. See page 46. Twice transplanted.

Price: 8 to 10 inch, \$2.65 each. 10 to 12 inch, \$3.55 each.

## SHADE AND ORNAMENTAL TREES

**CHINESE SIBERIAN ELM.** No other tree is in as great a demand at the present as the Chinese Elm. It is the fastest growing, most satisfactory shade, ornamental or windbreak tree. The U. S. Department of Agriculture, Bulletin 945, says—It is a rapid grower, with slender, almost wiry branches; is one of the first trees to leave out in the spring and the last to shed its leaves in the fall. Remarkably free from the usual plant diseases and insect injury so common to the Elm. It is very hardy and has proven valuable under greater varieties of climatic and soil conditions than any tree yet introduced. Its resistance to drought, alkali and extremes of temperature render it especially valuable. The Chinese Elm is adapted to any part of the United States. For windbreak or screen, its natural habit of branching from the ground if left untrimmed makes it especially desirable. It will thrive where other trees could never exist and will grow to a height of 80 feet, attaining a girth of 12 feet, though can be easily controlled by pruning. Luxurious shade may be enjoyed in just a few short years and some specimens have reached a height of 23 to 25 feet in four years, with a spread of 18 feet.

We offer genuine Chinese Siberian Elm, well rooted and graded—first class, disease-free stock, transplanted.

Price: 12 to 18 inch, for windbreak, 10 trees for \$1.20; 50 trees for \$5.00. 5 to 6 feet, Specimen Trees, \$1.60 each; 10 trees \$14.65.

**BLACK WALNUT.** A sturdy, long-lived, dependable shade tree that combines beauty with usefulness. The nuts from these trees are highly prized, especially for cakes and candies. A group of our Native Black Walnut Trees should be on every farm.

Price: 2 to 3 ft. transplanted stock, 50c each; 10 trees \$3.00.

**SILVER MAPLE.** Because of its quick growth and good foliage, this tree is in big demand. The leaves appear early in spring, are bright green in color with the lower side silvery. Good for quick effect.

Price: 5 to 6 ft. trees 50c each; 10 trees \$4.50. 6 to 8 ft. trees 75c each; 10 trees \$6.75.

**GOLDEN WEEPING WILLOW. (Niobe.)** A golden-barked tree with graceful, drooping branches. The hardest and most beautiful of all weeping trees. Introduced by Professor Hansen of Brookings, South Dakota. Plant a pair.

Price: 5 to 6 ft. trees 60c each; 10 trees \$5.90.

**LOMBARDY POPLAR.** Very picturesque, tall growing tree. Used extensively for landscape effect, also in screen planting. A rapid grower. Transplanted trees.

Price: 6 to 8 ft. trees, 70c each.

**EUROPEAN MOUNTAIN ASH.** Very fine for lawn planting and exceptionally showy with its large clusters of bright orange berries in Autumn. Beautiful dark green foliage, well shaped and very ornamental. Transplanted trees.

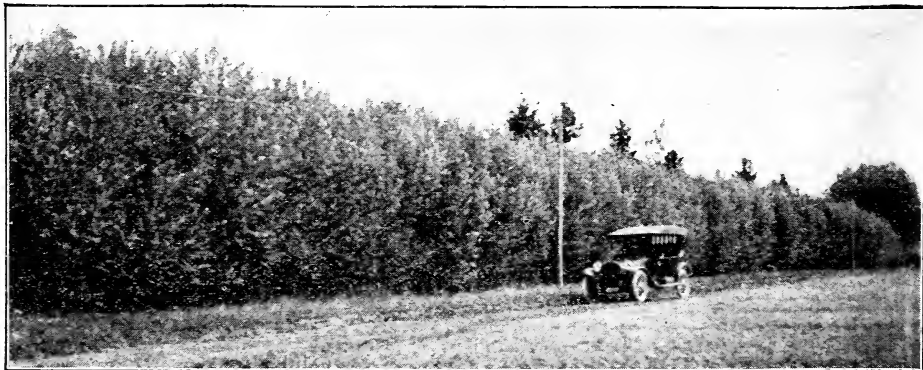
Price: 4 to 5 ft. trees, 50c each; 5 to 6 ft. trees 75c each.

**AMERICAN ELM.** The most popular of hardy native trees. Grows very tall, graceful and spreading, with drooping foliage. Always a favorite shade tree. Transplanted trees.

Price: 5 to 6 ft. trees, 60c each; 10 trees \$4.75. 6 to 8 ft. trees, \$1.20 each; 10 trees \$9.85.

**NORWAY POPLAR.** An excellent shade tree—quick growing, with spreading branches and straight, upright pyramidal head. Has large, thickly borne bright glossy foliage, very satisfactory and perfectly hardy. Transplanted trees.

Price: 5 to 6 ft. trees, 25c each; 10 trees \$2.00. 6 to 8 ft. trees, 60c each; 10 trees, \$5.00. We use our best judgment as to method of shipment, and guarantee safe delivery.



Chinese Elm Makes the Quickest Windbreak or Shade Tree.

# HARDY HEDGE PLANTS

**JAPANESE BARBERRY.** (Thunbergi.) There is no more practical shrub for hedge purposes. It is dwarf growing—uniformly bushy and rounded form. The numerous leaves densely cover the thorny twigs and makes it compact and impassable. Grows from 2 to 3 ft. high and in autumn the foliage turns to crimson scarlet and bronze, with fire red berries which hang on all winter. Price: 2 yr. field grown, 10 plants, \$2.00; 50 plants, \$7.50.

**BUCKTHORN.** A very hardy shrub, extensively used for hedges. Covered with pretty white blossoms in the spring and red berries in the fall. Very hardy and will do well anywhere. Can be easily controlled by trimming. Price: 1 yr. field grown, 10 plants, \$1.20; 50 plants for \$5.50.

**SIBERIAN HEDGEWOOD.** A most satisfactory hedge shrub for the Northwest, brought over from Siberia by Prof. Hansen of the South Dakota Experimental Station. Has dark green foliage, purplish green twigs and will form a dense hedge if trimmed regularly. Very quick growing and perfectly hardy; will do well anywhere. For best results, regular trimming should be practiced. Price: 2 yr. field grown, 25 plants, \$1.75; 50 plants for \$3.00.

Hedges add the finishing touch to any planting and serve as a fence as well. For boundary, screen or barrier, there is nothing more pleasing than a hedge fence.



Engleman Ivy.

**ACHILLEA, Boule de Neige.** An improved strain of this fine plant. Entirely covered with small double white flowers from July to September.

**BABY'S BREATH** (Gypsophila). Should be in every perennial garden. Useful in bouquets because of the cloud-like effect of its tiny white flowers. Can be dried like everlasting.

**BLEEDING HEART** (Dielytra). An old-fashioned favorite, extra hardy. Fine foliage and graceful sprays of pink and red heart-shaped flowers, in May and June. Each, 75c; 2 for \$1.25.

**CHINESE LANTERN PLANT** (Physalis Franchetti). The long sprays of orange colored seed pods, resembling lanterns, are used for winter bouquets. Very showy and beautiful.

**COREOPSIS.** Rich golden yellow flowers, like daisies, from June until frost. One of the best cut flowers.

**PAINTED DAISY** (Pyrethrum Hybridum). Blooms in May and June. Fern-like foliage and a profusion of lovely daisies in white, pink, and crimson.

**SHASTA DAISY.** Large white waxy daisies, with yellow centers, on long stiff stems, in June and July. Will keep two weeks after cutting.

**FUNKIA LANCIFOLIA.** Long, narrow leaves. Blue flowers in August. Very attractive in the border, even when not in bloom. Will grow either in sun or shade.

**NEW ENGLAND ASTER.** A hardy, late bloomer and about the last flower of the season. Grows 3 to 4 ft. high. Blooms very profusely, producing dark purple flowers of good size.

Price, except as noted: 3 plants for 60c, postage extra, 8c; 6 for \$1.00, postage extra, 12c; 12 for \$1.75, postage extra, 20c. We can not accept orders for plants under 60c. Please order at least 3 of a kind and allow for postage.

**CINNAMON VINE.** See page 38.  
**MADEIRA VINE.** See page 38.

## WINDBREAK TREES

**CHINESE ELM.** A most satisfactory, quick growing Elm for windbreak or shade tree purposes. See description on page 48. Price: Transplanted trees, 12 to 18 inch, 10 trees, \$1.20; 50 trees, \$5.00.

**NORWAY SPRUCE.** A picturesque and beautiful tree; one of the best evergreens for hedges and windbreaks. Also used for Christmas Trees. Perfect pyramidal form. Price: Transplanted trees, 12 to 18 inches, 10 trees, \$2.20; 50 trees, \$10.00.

**ARBOR VITAE.** Excellent for screen or hedge planting. Rapid grower—upright form—conical shape. Price: Transplanted trees 12 to 18 inches, 10 trees, \$2.75; 50 trees, \$11.90.

## CLIMBING VINES

**BITTERSWEET.** A much appreciated native climber that is almost extinct in its natural state. Has handsome glossy foliage. Large clusters of beautiful orange-crimson berries which will remain all winter. The berries are very bright in effect and make a charming decoration for the home in winter. Grow Bittersweet in your own backyard. Price: 2 yr., 60c; 2 plants, \$1.00.

**SCARLET TRUMPET HONEYSUCKLE.** A very satisfactory climbing plant with odd shaped foliage, producing bright red trumpet-shape flowers almost continuously. Very fragrant. Will thrive anywhere. Splendid for covering porches or trellis where it will reach a height of 15 ft. Price: 2 year old vines, 25c each; 2 vines, 45c.

**ENGLEMAN IVY.** (Ampelopsis.) Belongs to the Woodbine family and is most popular in the Northwest for climbing on stone, brick or stucco. Produces very thick foliage which turns to a brilliant red color in the fall. Its numerous tendrils cause it to cling to any structure. Is perfectly hardy and will withstand drought and heat. Very fast grower. Price: 2 year vine, 30c each; 5 vines, \$1.35.

**CLEMATIS PANICULATA.** Small white flowering, very sweet scented plants, originally from Japan. A rapid grower and vigorous climber. This is the most satisfactory variety of Clematis on account of its hardiness. Price: 2 year vines, 50c each; 2 vines, 90c.

## PERENNIAL PLANTS

**HOLLYHOCKS.** Old fashioned garden favorites, of stately form and beautiful flowers. The plants grow three to six feet tall, with the large silky flowers closely set on the long stalks.

**GAILLARDIA.** Flowers a brilliant blending of red, yellow, and brown. Fine for cutting; of medium height, free flowering.

**LARKSPUR** (Delphinium). One of the showiest and best perennials, useful as a background for low growing plants. Grows 3 to 5 feet high, with tall spikes of rich blue flowers in June and July, and again in fall.

**HARDY PHLOX.** Extra hardy, producing clusters of crimson, pink, white, and mauve flowers in July and August. Plants grow 24 to 36 inches high and multiply rapidly. 3 for 75c; 6 for \$1.40.

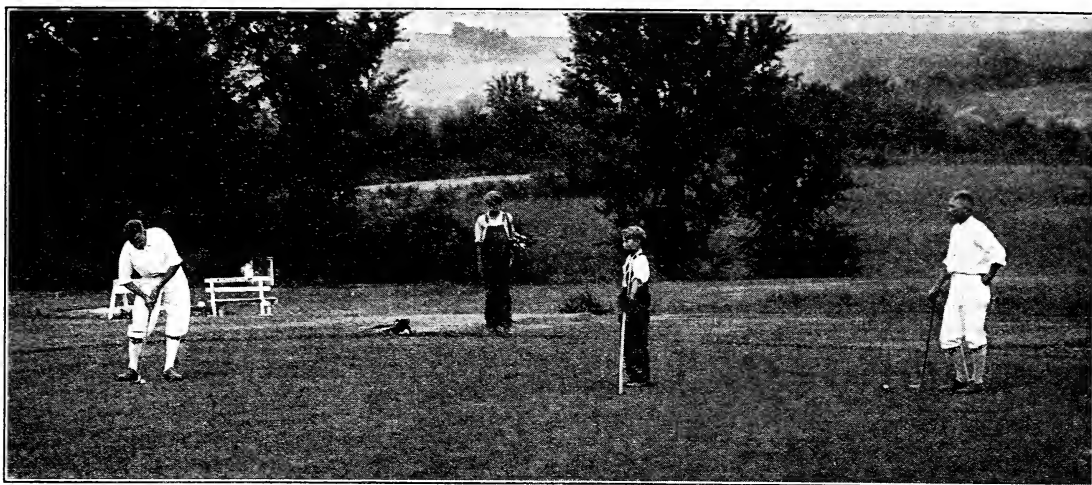
**SWEET WILLIAM.** One of the choicest and showiest perennials. Blooms in June and July. Plant in masses for best effect. Mixed colors, ranging from deep crimson to white.



Japanese Barberry Hedge always ornamental and hardy.



Lombardy Poplar.



Our hardy, quick growing grass mixtures will show marvelous results.

## LAWN MAKING AND LAWN GRASS SEED

Almost any kind of soil that produces a good garden, farm crops, trees or shrubs, whether it is clay, sandy loam, or rich black muck soil, is suitable for establishing a lawn. Clear sand or gravel must be covered with at least 12 to 18 inches of good, rich loam or top soil; stiff clay can be improved by plowing under a heavy coating of coarse manure, or a crop of clover or small grain.

1. Prepare the soil thoroughly, plow deeply, rake until it is pulverized, leaving no lumps, but have a nice mellow seed bed.
2. Plow under plenty of good, rich, stable manure that is free from weeds, or a crop of green manure, or, better still, spread on a good commercial fertilizer (see Sacco, page 84) at the rate of 20 lbs. for every 1,000 square feet. Rake thoroughly into the soil.
3. If the soil is quite sour (this can be determined with Soiltest—See page 72), a light application of air slaked lime or crushed lime rock will be needed. Apply same as fertilizer, 20 lbs. for every 1,000 square feet.
4. Grass seed may be sown any time, but early spring sowing, before hot, dry weather sets in, is best. Sow the seed on a quiet day, or in the quiet of the early morning, before a rain if possible, at the rate of one pound to every 250 or 300 square feet, 80 to 100 pounds per acre. Sow half of the seed one way, and the other half the other way, to make sure of a uniform, even stand. Then harrow or rake the ground well to cover the seeds, and follow with a roller to pack the soil and cause sprouting. If no roller is available, a piece of plank fastened to a stick can be used to tamp and even the ground. Water thoroughly and regularly at night, until the sod is fairly well established. Sprinkling at random is worse than no water at all, for seed once started can not start a second time.

**SPECIAL GOLF MIXTURE**—The best possible mixture for golf courses, to be used on fairways, tees, bunkers, etc. Contains Creeping Bent and other imported grasses, also, Brome Grass, Red Top, etc., properly blended to give quick and permanent results, and to withstand our hot, dry summers and severe winters. Price: Lb. 55c, 5 lbs. \$2.50, prepaid.—Not prepaid: Lb. 45c, 5 lbs. \$2.00, 20 lbs. \$7.00, 100 lbs. \$33.00.

**SHADY NOOK MIXTURE**—A mixture of hardy, quick growing grasses that thrive in shady places. Especially suited for patching up the lawn, or filling in barren places under trees, etc. Contains some of the best creeping grasses to build up a permanent sod. Price: Lb. 60c, 5 lbs. \$2.75, prepaid.—Not prepaid, Lb. 50c, 5 lbs. \$2.25, 20 lbs. \$8.40.

**WHITE DUTCH CLOVER**—Used universally for rejuvenating or building up all lawns or worn out pastures. Price:  $\frac{1}{2}$  lb. 30c, lb. 50c, 5 lbs. \$2.25, prepaid.—Not prepaid: Lb. 45c, 5 lbs. \$2.00.

**PARK LAWN GRASS**—This mixture is intended for lawns of large dimensions, estates, parks, and around public buildings, and makes a beautiful, permanent, velvety lawn. Grasses root deeply, grow evenly, and will not turn brown during a severe drought. Creeping Fescue, Kentucky Blue Grass, Red Top, and White Clover are used in this mixture. Price: Lb. 55c, 5 lbs. \$2.50, prepaid.—Not prepaid: Lb. 45c, 5 lbs. \$2.00, 20 lbs. \$7.00.

**GARDEN CITY LAWN GRASS**—Our best all around lawn grass mixture, for general use. It contains the choicest grasses in proper combination for quick results, roots deeply, and withstands severe drought. This consists chiefly of Kentucky Blue Grass, Red Top, and White Clover, and is being sold by leading department stores of the Northwest with wonderful success. Price: Lb. 45c, 5 lbs. \$2.00, prepaid.—Not prepaid, Lb. 40c, 5 lbs. \$1.75, 20 lbs. \$6.40.

## USE "SACCO" FERTILIZER FOR THE LAWN

Produces vigorous shrubs, beautiful flowers, healthy trees, thrifty potted plants, and assures productive gardens. A clean, odorless fertilizer—quick acting and containing five times as much nutrition as manure, without any disagreeable features.

Sacco is easy to apply—broadcast by hand just before rain, or wet down with a hose. Use 2 to 4 lbs. per 100 square feet. Full directions on each package.

Price: 5 lb. bag 50c, 10 lb. bag 85c, 25 lb. bag \$1.75, 50 lb. bag \$3.00, 100 lb. bag \$5.00. F. O. B. Faribault.

## LET "WEDO" ELIMINATE LAWN WEEDS

Wedo is a combination of fertilizing and weed control elements, formulated especially to control weeds in the lawn. It favors grasses and hinders weeds, for combined in Wedo are the valuable weed eliminating features of sulphate of ammonia, in addition to all plant food elements. Wedo is especially fine for Creeping Bent lawns and putting greens. Only one pound is required for 100 square feet and Wedo will answer every purpose as a fertilizer and weed controller. See page 84.

Ask for special circular with full directions for use.  
25 lbs. \$2.00, 50 lbs. \$3.75, 100 lbs. \$6.50 f. o. b. Faribault.

## INCREASE FARM PROFITS AND GARDEN PLEASURES

### Prevent Disease Losses By Using Du Bay Seed Disinfectants

**SEMESAN**—For vegetable and flower seeds. Diseases often reduce germination and result in poor stand, lowered quality and reduced yield. Kill these harmful disease organisms on the seed before planting. Semesan may be applied as a dust or liquid and is harmless to seeds. Effective in controlling damping-off of seedlings. Full directions in can. Prices: 2 oz. 50c, 1 lb. \$2.75, 5 lbs. \$13.00, 25 lbs. \$56.25.

**SEMESAN BEL**—For seed potatoes. Potato diseases cause a loss equivalent to the yield of 1 acre in every 5 or 6 acres planted. Much of this loss can be prevented by treating seed before planting with Semesan Bel, the instantaneous dip disinfectant. Effective in controlling such seed-borne diseases as scab, rhizoctonia and black leg. Improves germination and usually produces a bigger crop of better quality. One pound treats 16 to 22 bushels of seed. Prices: 4 ozs. 50c, 1 lb. \$1.75, 5 lbs. \$8.00; 25 lbs. \$31.25.

**SEMESAN JR.**—For seed field and sweet corn. Our corn crop is reduced over 80 million bushels annually by diseases that are carried on the seed. Destroy these costly diseases by treating your seed corn with Semesan Jr. Simple, quick, effective. Costs only  $2\frac{1}{2}$ ¢ an acre. It destroys harmful disease organisms on the seed, protects seed from rotting in cold wet soil, makes earlier planting possible, controls seedling blight, reduces root and stalk rots, and generally increases crop yields. Use 2 ozs. per bushel of seed. 4 ozs. 50c, 1 lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$31.25.

**CERESAN**—For seed grains. Prevent losses and protect your profits by treating all seed grains with Ceresan before sowing. Effective in controlling smuts of wheat; seedling blight of cereals caused by seed-borne scab; smuts of oats; covered smut and stripe of barley; kernel smuts of sorghums and millets; and seed-borne stem smut of rye. Seed may be treated in spare time. Only 2 ounces needed per bushel of seed wheat, rye, sorghums or millets and 3 ounces for oats and barley. Prices: 1 lb. 75c, 8 oz. 50c, 5 lbs. \$3.00, 25 lbs. \$12.50.



# THE BEST IN FLOWER SEEDS

## HOW TO GROW FLOWERS

Most flowers need an open sunny position, enough space between the plants to develop them, and good cultivation. The best soil for growing flowers is a rich light loam, carefully spaded to a depth of two feet, and well pulverized on the surface. The addition of well rotted manure is beneficial. Do not sow the seed until ground is warm and dry.

Sow the seed evenly, in rows or broadcast, and cover thinly with sifted soil, about three times the size of the seed, pressing the soil down firmly. Very fine seed, like petunia, etc., should be mixed with sand and merely scattered over the surface. If seed is covered too deeply, it cannot come up. Water with a fine spray and do not allow the ground to dry out. Keep free from weeds, and hoe after every rain.

Our Flower Seeds are grown for us by leading American and European growers. They are carefully tested, so we can honestly recommend everything we offer. We list only those varieties that we know are satisfactory for the Northwest, and have discarded many inferior sorts.

ALL FLOWER SEEDS ARE SENT POSTPAID IN U. S. A.  
PLEASE ORDER BY NAME AND BY NUMBER.

## ANTIRRHINUM—SNAPDRAGONS

Beautiful annuals suitable for both bedding and cutting. Plants are compact and bushy, and produce tall spikes of oddly shaped fragrant flowers, from June until autumn. Seed may be sown outdoors in May, or started in hotbeds, for early blossoms, transplanting outside when danger of frost is past.

### Giant Snapdragons

1052. *Nelrose*. Tall, massive spikes of flowers of a lovely shade of deep rose, and without any markings, showy for bedding and just as desirable for cutflowers. Blooms all summer. Pkt. 15c.

1050. *Copper King*. Mahogany red, shaded orange. Pkt. 15c.

1051. *Giant Harmony*. Orange, shaded rose. Pkt. 15c.

1054. *Giant Mixed*. Pkt. 15c.

1060. *Half Dwarf Snapdragons* The most desirable for bedding. Plants are half dwarf and bushy, producing many spikes of flowers all summer—all colors, mixed. Pkt. 10c, 1/4 oz. 50c.

BABY'S BREATH—See *Gypsophila*, page 58.

BACHELOR'S BUTTON—See *Centaurea*, page 54.

## 1200. Balloon Vine

(*Cardiospermum*). Graceful annual climber with pale green foliage, and small white flowers, followed by ornamental seed pods resembling small balloons. Oz. 25c, pkt. 5c.

1205. *Balsam* (*Lady's Slipper*). Favorite old-fashioned annuals, producing masses of tall bushy stalks, covered with bright colored flowers. Double mixed colors, red, rose, pink and white. 1/4 oz. 35c, pkt. 5c.

1211. *Begonia* (*Vernon Everblooming*). Popular bedding and house plants, which thrive equally well in sunny and shaded places, in rich garden soil. Valuable for their handsome waxy reddish foliage and orange scarlet flowers which are produced all season. Pkt. 10c.

1358. *Bellis* (*English Daisy*). Dainty tender perennials which may be grown as annuals. Start seed indoors in March, and transplant outdoors in May. Small double daisies, in rose, pink and white, throughout the summer. Pkt. 10c.

1213. *Brachycome* (*Swan River Daisy*). Dwarf graceful annual, useful for borders and for filling in among shrubbery. Blue, daisy-like flowers; yellow centers; feathery foliage. 1/4 oz. 25c, pkt. 5c.



Anemone.

1020. *Achillea* (*The Pearl*). Extremely hardy perennial, valuable for cemetery and border planting, as it requires no attention. Covered from June until fall with clusters of small white double flowers. This will thrive and bloom profusely where all other plants fail. Pkt. 10c.

1024. *Acroclineum* (*Everlasting*). Annual. Double rose or white daisy-like flowers, which are dried for winter bouquets. To dry, cut with long stems, tie in bunches, and hang them heads down, in a dry place, until the stems are stiff and dry. 1/4 oz. 15c, pkt. 5c.

## 1027. Ageratum (Blue Perfection)

A beautiful, showy, annual dwarf border plant, thriving in any climate and rather poor soil. Clusters of fuzzy, fragrant flowers are produced from June until frost, if not allowed to go to seed. 1/2 oz. 35c, pkt. 10c.

**ALYSSUM** Favorite hardy annuals, most popular for borders. Flowers are delicately fragrant, and produced in clusters on dwarf plants.

1032. *Little Gem* (*Carpet of Snow*). The best for borders; very dwarf, with masses of flowers until late in fall. Oz. 50c, pkt. 5c.

1033. *Lilac Queen*. The plants of this variety are very dwarf and compact, with dainty flowers of an exquisite shade of lavender. Delicately fragrant. Excellent for massing in borders. 1/4 oz. 30c, pkt. 10c. See page 56 for colored illustration.

1034. *Saxatile Compactum*. (*Basket of Gold*). A fine hardy perennial border-plant, forming a sheet of golden yellow flowers. Blooms the first season if sown early. 1/4 oz. 40c, pkt. 10c.

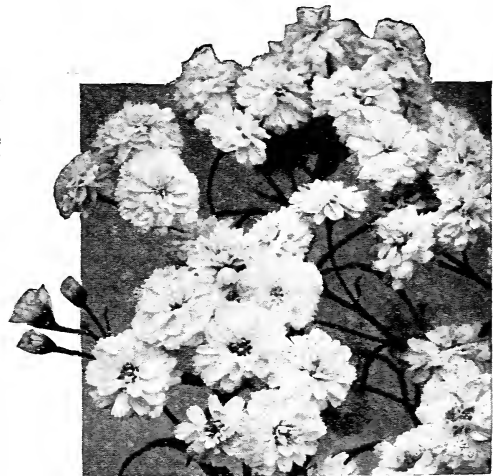
1040. *Anchusa* (*Capensis*). Annual Cape Forgetmenot. Noted for the vividness of their blue flowers, produced in loose clusters. Plants are of spreading growth, half hardy, and excellent for shady places. One of our best blue flowers. Pkt. 10c.

1042. *Anemone* (*Coronaria St Brigid's Strain*). Lovely spring blooming perennials, growing about 12 inches tall, with large flowers in a brilliant array of colors. Especially fine for cutting. Thrive best in a rich cool loam in semi-shade. Pkt. 15c

1073. *Aquilegia* (*Columbine*) (Long Spurred Hybrids). One of the prettiest hardy perennials, growing 2 feet high, with graceful fern-like foliage and odd flowers with long spurs, in exquisite shades of blue, lavender, pink, and yellow. Start seed in cold frames or indoors, and transplant to rich, well drained soil in a half-shaded position. Pkt. 15c.

1074. *Arctotis* (*African Daisy*). Tall growing annuals, with greyish green foliage, and flowers of bluish white, with deep blue centers. *Arctotis* is one of our best flowers for cutting. Sow outdoors in May. 1/4 oz. 25c, pkt. 10c.

1075. *Asparagus Fern* (*Plumosus Nanus*). Graceful house plants, with finely cut foliage, valuable for window boxes, hanging baskets, etc. Seed germinates slowly, usually in 3 to 8 weeks, and should be started in boxes, in a cool place. Pkt. 15c.



Achillea—The Pearl

# ASTERS



Royal Early  
Branching Aster.

1199—Our Big Three  
Aster Offer.  
1 pkt. Royal. } 20c  
1 pkt. Comet.  
1 pkt. King.

## King Asters

A beautiful distinctive aster, especially fine for cut flowers. Plants are of tall branching habit, very free flowering, rather late. Flowers are large and full, with stiffly quilled petals, produced on long, stiff stems. Bloom from August to October.

- 1114. Flesh King.
- 1115. Crimson King.
- 1116. Rose King.
- 1117. Violet King.
- 1118. White King.
- 1119. Mixed.

1/4 oz. 65c, pkt. 10c, 1  
pkt. of each of 5 colors for  
40c.

## 1145. Hardy Perennial Aster

The showiest and hardiest of all late perennials. After heavy frosts have killed all other flowers, these hardy asters continue to bloom, producing clusters of small, daisy-like flowers of purple, lavender, white and rose. Pkt. 10c.

## 1140. Dwarf Victoria Bedding Asters

These grow about 12 inches high, each plant being a veritable bouquet, covered with double ball shaped blossoms. The best aster for borders and flower beds. Mixed colors, pkt. 15c.

## Queen of the Market

A very early sort, coming into bloom three weeks earlier than any other aster. Plants are of branching, spreading habit, about 15 inches tall. Flowers are of good size, full and double, on long, strong stems.

- 1135. Crimson. 1137. White.
- 1136. Purple. 1138. Mixed.

1/4 oz. 35c, pkt. 10c, 3 pkts. for 25c.

## Giant Comet or Ostrich Feather

An improved strain of comet aster, with large fluffy blossoms, like chrysanthemums, often 5 inches across. One of the best sorts for cutting, as the flowers remain in condition a long time. Medium early and free flowering.

- 1180. Pink. 1183. Dark Blue.
- 1181. Lavender. 1184. Carmine.
- 1182. White. 1185. Mixed.

1/4 oz. 75c, pkt. 10c, 1 pkt. of each of 5 colors for 40c.

## Giant Branching Asters

The most beautiful of all asters, and the leading variety for cutting. The plants form strong bushes, 24 to 30 inches high, and bear flowers often 5 inches across. Petals are broad and thick, the inner petals being curved. They bloom right after the Comet asters.

- 1100. Sensation Red. 1103. Purple.
- 1101. Light Pink. 1104. White Perfection.
- 1102. Lavender. 1105. Mixed.

1/4 oz. 50c, pkt. 10c. 1 pkt. of each of 5 colors for 40c.

Asters will grow in any good garden soil, in a sunny, open position, but any extra care given them in the way of cultivation, fertilizing, and watering, will result in much better blossoms. The soil should be well enriched with bone meal or other fertilizer, and finely pulverized. A small quantity of air slaked lime, or wood ashes, added to the soil, will prevent stem rot, and aster "yellows."

In order to have strong aster plants, start the seeds in flats, or cold frames, in rich garden soil or leaf mould. Sow in rows, and as the young plants appear, fill up the space between the rows with rich leaf mould, repeating this treatment as the plants grow taller. Water often, preferably at night, and give plenty of air. Transplant to paper pots, setting them in flats. The paper pots can be set right out in the open ground, and will furnish the best protection against cut worms, besides facilitating planting.

A pinch of Semesan shaken with Aster seed for three minutes, will prevent most aster plant diseases, also "damping off." See page 50. For root lice, apply kerosene emulsion or tobacco soap solution.

## Sunshine Aster

Improved Anemone-Flowered. A new and attractive type, especially fine for cutting. The plants are strong and vigorous, producing their flowers on long stout stems. The flowers have a cushion center of tubular petals with a star at the end; the outer petals are long and narrow and slightly quilled.

- 1166. Rose.
- 1167. Lavender.

- 1168. Blue.
- 1169. Mixed, all colors.

Each of the above, pkt. 15c.

**1175. Heart of France** The most popular aster ever introduced. Its remarkable color of purest ruby red deepens with age. Flowers are of good size and form, and are borne on long, stiff stems. Plants are of strong branching habit. Pkt. 15c. See page 56 for colored illustration.

## Royal Branching

The most beautiful of the early asters. Plants are of branching habit, with immense globe-shaped flowers, broad petals curved inward, and long, strong stems. Royal asters are of sturdy, vigorous growth, and bloom a long time.

- 1125. Royal Rose. 1128. Royal Purple.
- 1126. Shell Pink. 1129. White.
- 1127. Lavender. 1130. Mixed.

1/4 oz. 75c, pkt. 10c, 1 pkt. of each of 5 colors for 40c.

## 1195. Fancy Yellow Aster

A very pretty aster, with flowers of good size, very full and double, of creamy yellow. This is the best yellow aster being grown, and looks like a Chrysanthemum. Plants are of branching habit, producing many flowers. Pkt., 10c.

For Aster Plants, see page 37.

## 1170. Surprise Novelty Aster

"Salmongold" The very newest introduction from Europe, and sure to please. The color is something entirely different and heretofore unknown in asters. A beautiful salmon-gold, changing to salmon-pink as the flower develops. Flowers are of immense size, often measuring three inches or more in diameter. Pkt. 40c.



Sunshine Aster.



Giant Comet or Ostrich Feather Aster.

**CALENDULA**

(Pot Marigold). Annual. One of the best and showiest garden flowers. It is very easily grown from seed, in good garden soil, and produces an abundance of bright yellow and orange flowers from July until October. Sow seed outdoors, in May.

1215. **The Ball.** An unusually fine flower, very large and double, a rich golden yellow, with lighter center. Flowers are borne on long, stiff stems. Extra fine for cutting and for the garden. Pkt. 15c.

1218. **Orange King.** Immense double flowers of bright orange. The best and biggest of all Calendulas. ½ oz. 25c, pkt. 10c.

1219. **Double Mixed** ..... ½ oz. 25c, pkt. 10c.

**1222. CALLIOPSIS (Golden Wave)** Pretty, showy annuals, belonging to the Coreopsis family, easily raised from seed, thriving best in a sunny location. Flowers are yellow, richly marked and bordered with browns and maroons. Plants of tall, bushy growth, with fine foliage. ½ oz. 25c, pkt. 10c.

**COREOPSIS**—See page 54.

**CAMPANULA or CANTERBURY BELLS**

Very beautiful, old-fashioned biennials, which require winter protection here, as they are not very hardy. Seed should be sown early in spring, in hotbeds or boxes, in finely prepared, rich soil, and carefully watered when necessary. In May or June, the plants should be set out in the garden to bloom the same season. Campanulas do best in a cool, moist climate, of even temperature.

1225. **Medium, Single and Double, Mixed Colors.** The old-fashioned variety, with large, bell-shaped flowers. Lovely for cutting. Pkt. 10c.

1232. **Calycanthema** (Cup and Saucer Canterbury Bells). The most beautiful of the Canterbury Bells. The calyx is very broad and of the same color as the corolla, giving the flower the appearance of a cup and saucer. Mixed Colors. Pkt. 15c.

**1235. Canary Bird Vine** (Tropaeolum Canariense). A graceful annual vine with handsome foliage and bright yellow flowers. Grows about ten to fifteen feet high, and does well in shady places. Oz. 30c, pkt. 5c.

**CANDYTUFT**

(Iberis). A popular annual of easy culture, that is usually grown as a border plant. Seed should be sown broadcast, in light soil, when danger of frost is past.

1240. **Giant Empress.** The best white variety, large flowering; good for cutting. ½ oz. 25c, pkt. 5c.

1242. **Lavender.** ½ oz. 25c, pkt. 10c.

1243. **Sempervirens.** The best of all white Candytuft, hardy perennial. A fine plant for borders, also for cemetery planting. ¼ oz. 50c, pkt. 10c.

**CALIFORNIA POPPY**—See Eschscholtzia, page 57.

**1245. Canna** (Indian Shot). Showy bedding annuals with broad tropical foliage, and tall spikes of brilliantly colored flowers, in many shades of red, orange, yellow. Seed germinates slowly, and should be cut or soaked in warm water before planting. Warm rich soil is best. Transplant outdoors when danger of frost is past. Mixed colors.....Pkt. 10c.



Giant Empress Candytuft.

**1300. Clarkia** Attractive annuals, easily raised from seed. They do equally well in sunny and shaded locations, growing two feet high. Double flowers, resembling azaleas, are borne on leafy racemes. Very pretty for cutting. Mixed colors. ¼ oz. 50c, pkt. 10c.

**CARNATION**

One of the most valuable and beautiful of our summer flowers. Hardy, free-flowering, and easily raised from seed. Flowers are long-stemmed and very fragrant.

1251. **Double Red Carnation.** Large double flowers of glowing crimson, of spicy fragrance. Bloom throughout the summer. Grow as pot plants in the house, or outdoors. Pkt. 15c.

1252. **Marguerite Carnations.** This variety begins to bloom two months after sowing. Large blossoms, two to three inches across, deliciously fragrant. Mixed colors. Pkt. 10c.

**CELOSIA or COCKSCOMB**

Showy annuals with bright foliage and odd shaped flower heads of gold, scarlet and maroon. Easily raised from seed.

1255. **Cristata.** Dwarf, mixed colors. Flower heads frilled and corrugated, like a cock's comb. Pkt. 10c.

Calendulas.

1258. **Plumosa.** Thompsoni Magnifica. Handsome, ostrich feathered flower heads, ranging from burnt orange to deep purplish crimson. Pkt. 10c.

1256. **Chinese Woolflower.** One of the best and showiest annuals introduced in recent years. Plants grow about three feet high, and bear massive bunches of silky flowers. Seed may be sown outdoors, when ground is warm, or started in hotbeds and plants set out in May. Mixed Colors, pkt. 10c.

**1293. Cineraria** (Cape Aster). A favorite house plant, flowering in spring. Daisy shaped flowers in clusters, in all shades of blue, purple, rose and maroon, in gay combinations, are produced early in spring. A cool location, rich soil and good drainage are essential. Pkt. 25c.



Carnation.

**1448. Cardinal Climber**

The showiest and most beautiful annual climber grown. Like Cypress Vine, but much more vigorous and much better in every respect. Clusters of blazing scarlet flowers, disk-shaped against a background of feathery green foliage. Grows 30 feet high and blooms from July until frost. Pkt. 10c.

**CASTOR BEAN**—See Ricinus, page 62.



Canterbury Bells  
(Campanula).





Double Early Cosmos.

**1303. Cobia Scandens**

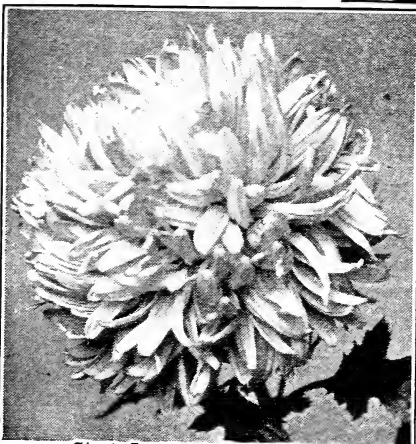
(Cup and Saucer Vine or Cathedral Bell). A handsome rapid growing annual, suitable for porches, arbors, and trellises. The flowers are bell-shaped, purplish lilac in color, and rather stiff and wax-like. This vine is always clean of insects. Start indoors, planting seed edgewise, and cover lightly. Transplant outdoors in May.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

**1305. Coleus** Handsome annual foliage plants, valuable for bedding, window and porch boxes, and for house culture. Leaves of various shapes and outlines are brilliantly marked, and bordered with crimson and white. Pkt. 15c.

**1319. Cyclamen**

**Rose Shades.** Beautiful house-plants, with handsome heavy foliage and odd flowers of vivid colors. Seed may be sown any time in fall or winter, and germinates slowly. Rich, sandy loam, plenty of water, good drainage, and a cool atmosphere are essential. Pkt. 25c.

**COLUMBINE**—See Aquilegia, page 51.



Giant Japanese Chrysanthemum.

**CENTAUREA** Popular old-fashioned annuals, known to every flower lover as Bachelor's Buttons, Corn Flowers, Sweet Sultans, Dusty Millers and Basket Flowers. They are of easiest culture and usually reseed themselves.

**Cornflowers or Bachelor's Buttons (Cyanus)**

1264. Double Mauve.  
1266. Double Rose.

1268. Double Blue.  
1269. Double Mixed.  
Price:  $\frac{1}{2}$  oz. 35c, pkt. 10c.

**1278. Sweet Sultans (Imperialis).** Handsome artistic flowers resembling the blossoms of thistles borne on long, smooth stems. One of the very best flowers for cutting. Mixed colors.  $\frac{1}{4}$  oz. 35c, pkt. 10c.

**1280. Dusty Millers** Grown for the silvery foliage, and used for window boxes, borders, etc. Pkt. 10c.

**CHRYSANTHEMUMS**

This class includes many favorite garden and house plants, such as Shasta Daisy, the Giant and Pompom Chrysanthemums, also showy annuals that are much used for bedding. All strains are much used for cutting.

**1285. Annual Chrysanthemums** Showy for massing in the garden, and fine for bouquets. Flowers are like daisies, white, yellow, orange, maroon, and many interesting combinations of these colors.  $\frac{1}{2}$  oz. 25c, pkt. 10c.

**1286. Giant Japanese Chrysanthemums** Beautiful house plants, producing massive blooms in late fall. Many colors and combinations are included in this mixture, white, yellow, bronze, maroon, and pink. Plants grow easily from seed, which should be started early in spring, in boxes or pots. Pkt. 25c.

**1290. Shasta Daisy** One of the best of all perennials, very hardy, free flowering, easily grown, and exceptionally fine for cutting. Huge white flowers with petals of heavy texture and yellow centers. Pkt. 10c.

**CHINESE LANTERN**—See Physalis, page 61.

**COSMOS**

Beautiful annuals, which grow to a height of four to six feet, with feathery green foliage. Flowers are large and handsome, white, crimson, and rose, with deep yellow centers, and last a long time when cut. Seed may be started indoors, in boxes, and plants set out in May or sown in the open late in May. The Early Cosmos flower from August through October.

1311. EARLY MAMMOTH CRIMSON.

1313. EARLY MAMMOTH WHITE.

1312. EARLY MAMMOTH PINK.

1310. EARLY MAMMOTH MIXED.  
 $\frac{1}{4}$  oz. 25c, pkt. 10c, 3 pkts. for 25c.

**1314. Double Early Cosmos**

This new double early variety combines the beauty of the Double Crested with the earliness of the older single type. Blooms 70 days from planting. Mixed colors. Pkt. 15c.

**1302. Cleome — Rose Queen**

(Giant Spider Plant). A striking plant, 3 to 4 feet tall, each branch terminating in a large head of vivid rose flowers. Good for large beds and hot sunny places. Sow outdoors when weather is settled, thin out to give plants ample room. Pkt. 10c.

**1308. Coreopsis (Golden Glory).** Tall hardy perennials of vigorous growth and free flowering habit. They produce masses of bright yellow flowers on long stems, all through June and July. Sow seed in August, for next season's flowering, or start indoors, in March.  $\frac{1}{4}$  oz. 25c, pkt. 10c.



Centaurea—Sweet Sultans and Cornflowers.

**1450. Cypress Vine** Masses of small star shaped flowers, bright scarlet and white, against a background of feathery green foliage. A lovely delicate vine for fences, screens, etc. Oz. 50c, pkt. 5c.

**1320. Dahlia** One of the most satisfactory late summer plants. The plants are tall and shrubby, good for massing in borders. Seed should be started indoors and plants set out in May or June. Finest Mixed. Pkt. 15c.

**1325. Datura Cornucopia**

(Horn of Plenty). Showy half-hardy annuals, with large, trumpet-shaped flowers, creamy white inside and purple markings toward the edge. Sow outdoors, when danger of frost is past. Pkt. 5c.

**CHRISTMAS CHERRY**—See Solanum, page 62.

**CYNOGLOSSUM**—Chinese Forget-me-not, see page 57

**DAISY**—See Arctotis, Bellis, Brachycome, Chrysanthemum.



Shasta Daisies.





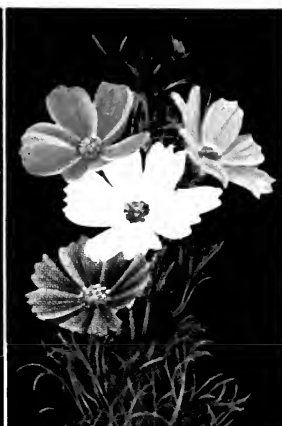
1138—ASTERS, Queen of Market. Assorted colors. Pkt., 10c.



1219—CALENDULA. Double mixed, orange and yellow. Pkt., 10c.



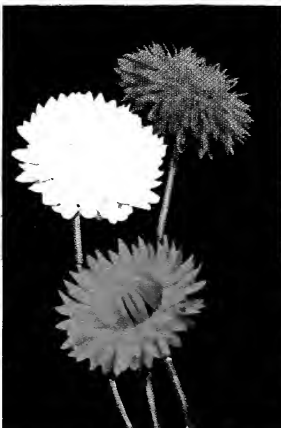
1252 — EVERBLOOMING CARNATIONS. Double mixed colors. Pkt., 10c.



1310—EARLY MAMMOTH COSMOS. Mixed colors. Pkt., 10c; 1311, crimson; 1312, pink; 1313, white. Pkt., 10c; each.



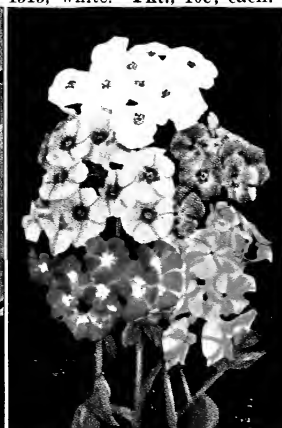
1285 — ANNUAL CHRYS-  
ANTHEMUM. Mixed colors.  
Pkt., 10c.



1425 — HELICHRYSUM  
(Everlasting or Strawflower).  
Mixed colors. Pkt., 10c.



1598 — NASTURTIVM.  
Lobb's Tall. Finest mixed.  
Pkt., 10c.



1666—PHLOX Drummondii  
Grandiflora. Mixed colors.  
Pkt., 10c.



1712—PORTULACA (Pore  
Moss). Single mixed. Pkt.,  
10c. Also 1713, Double mixed.  
Pkt., 10c.



1741—SALPIGLOSSIS (Vel-  
vet Flower). Mixed colors.  
Pkt., 10c.



1751—ANNUAL SCABIOSA.  
Mixed colors. Pkt., 10c.



1905—MAMMOTH VER-  
BENA. Mixed colors. Pkt.,  
10c.

### Twelve Lovely Annuals Anyone Can Grow

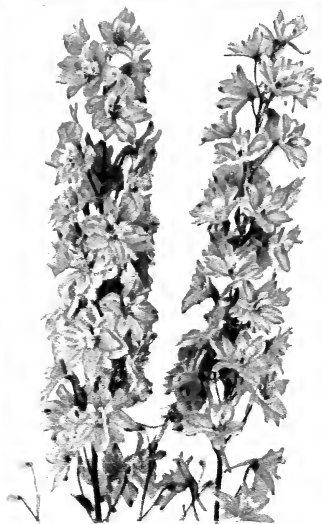
We don't know how else you could combine beauty and fragrance, or have flowers in the garden and home in shorter possible time than by growing this collection of beautiful annuals.

Order your choice, 10c per packet or the entire collection, 12 packets, **Lovely Annuals**, for \$1.00, ppd.

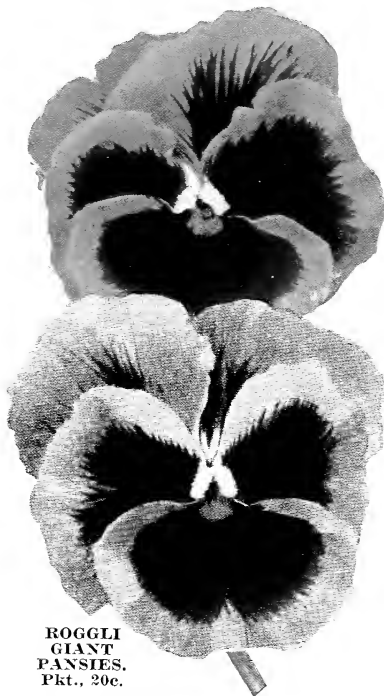
## The Newest Flowers

You'll take pride in showing  
these new and improved  
flowers in your garden

See Flower Seed Section of this catalog for  
description in alphabetical order.



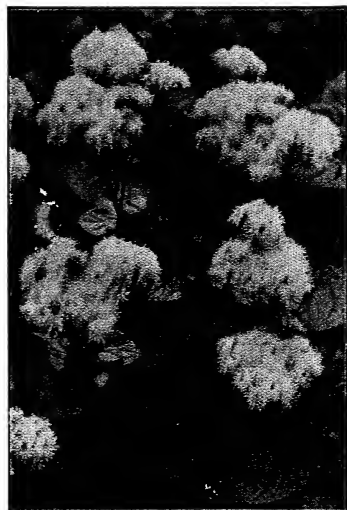
LARKSPUR, New La France.  
Pkt., 20c.



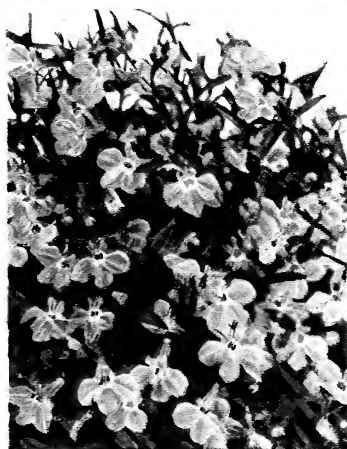
ROGGLI  
GIANT  
PANSIES.  
Pkt., 20c.

### Prize Flower Garden Collection

One packet each of the eight varieties of Flowers  
listed on this page—  
postpaid for.....75c



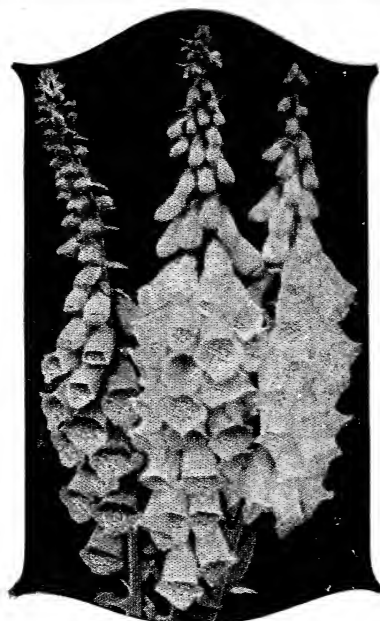
AGERATUM, Blue Perfection.  
Pkt., 10c.



LOBELIA, Crystal Palace. Pkt., 10c.



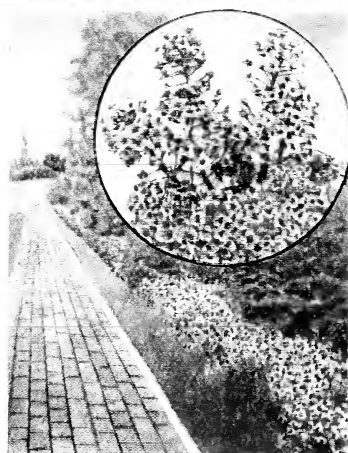
SALVIA, Fireball. Pkt., 10c.



DIGITALIS, Foxglove. Pkt., 10c.



ASTER, Heart of France. Pkt., 15c.



ALYSSUM, Lilac Queen. Pkt., 10c.



Dimorphanthemum—Golden Daisy.

**DELPHINIUM** (Hardy Larkspur). A favorite perennial that should have a prominent place in every garden. The plants are of strong, healthy habit, growing from three to six feet high, with handsomely cut foliage. Exquisite flowers, in every known shade of blue, are produced on spikes growing five or six feet high, in June and July, and if not allowed to go to seed, again in August and September. Sow seed in hot beds, transplant when two inches high, setting the plants twelve inches apart. The soil should be rich, and carefully prepared, and in fall, coal ashes may be sifted over the plants, as a protection against the white grub. If ground is soggy, add some sand at the bottom. A small quantity of slaked lime is also beneficial. Plants should be staked when about two feet high.

**1334. Belladonna** (Everblooming Hardy Larkspur). The best of all Larkspurs, and the freest flowering. Plants are very tall and thrifty, with immense spikes of clear turquoise blue flowers having a white eye. . . . Pkt. 25c

**1335. Gold Medal Hybrids** The finest strain of mixed Larkspur offered. Includes many new seedlings. . . . . Pkt. 15c

**DIANTHUS OR PINKS** Annuals and Perennials. Some of these lovely fragrant flowers are known to everyone, either as Pinks, Carnations, or Sweet Williams. Dianthus have been cultivated for centuries, and have lost none of their popularity. They are fairly hardy, bloom until late fall, and grow in any soil in a sunny position.

#### HARDY PERENNIAL PINKS

**1351. Dianthus Plumarius** (Grass Pinks or Pheasant Eye). Charming, old fashioned perennials, with stiff grassy foliage and spicy, fragrant flowers. ¼ oz. 25c, pkt. 10c.  
Dianthus Barbatus—See Sweet William.

#### ANNUAL PINKS

**1341. Finest Double Mixed.** Brilliant colors; many are striped and mottled. ¼ oz. 25c, pkt. 10c.

**1348. Laciniatus, Mixed Colors.** Very large fringed flowers, ranging from white to deep crimson. ¼ oz. 35c, pkt. 10c.

#### 1928. Everlastings

The best strawflowers and other Everlastings in a fine mixture for winter bouquets. Large pkt. 15c.



Dianthus or Pinks.



Delphinium; Matricaria in foreground.

**1354. Didiscus** (Queen Anne's Lace). An exquisite old-fashioned flower that was exceedingly popular some twenty years ago, and which, through a greatly improved strain, is again a favorite. The stems are long and somewhat hairy, with fine foliage. The flowers are borne in clusters, and are light lavender blue. Plants grow 18 inches high. They require rich soil and a sunny location. Pkt. 15c.

**1355. Digitalis** (Foxglove). Tall, stately perennials that do well on poor soil, in a half-shaded position. They are planted extensively among shrubbery, and on shady hillsides. Delicate, thimble shaped flowers of white, lavender and rose, with odd markings in the throat, are produced on tall, stiff spikes growing two to five feet tall. ¼ oz. 30c, pkt. 10c.

See page 56 for illustration in color.

**1356. Dimorphanthemum** (Golden Daisy) Beautiful free-blooming annuals from South Africa, growing about 12 inches tall. Plants are compact and bushy, and prefer an open sunny position. The daisy-like flowers are of a striking orange gold color, with dark centers. Massed in beds or wide borders, they make a brilliant showing. ¼ oz. 35c, pkt. 10c.

**1925. Echinocystis Lobata** (Wild Cucumber) Quick growing annual climber, with dense foliage and sprays of delicate white flowers, followed by prickly round seed pods. Oz. 25c, pkt. 5c.

**Eschscholtzia** (California Poppy). Showy hardy annuals, rich in shades of orange, yellow and scarlet. The bushy plants grow about a foot high, with bluish green foliage, and produce vivid poppies from early summer until late in fall. The golden yellow sorts make an effective combination with blue flowers.

**1361. California.** The true yellow California poppy. ½ oz. 35c, pkt. 5c.

**1368. Hybrid Mixed.** ½ oz. 25c, pkt. 5c.

**1370. Euphorbia Variegata** (Snow on the Mountain). A handsome annual garden plant valuable for showy foliage. Plants grow from 2 to 3 feet high, with attractive light green foliage broadly veined and margined with white. Clusters of inconspicuous white flowers. A good variety to use as a background for lower growing plants. ½ oz. 25c, pkt. 10c.

**FEVERFEW**—See Matricaria, page 59.

**1375. Forget-Me-Not** (Myosotis). These lovely flowers thrive best in cool, moist soil, and are at their best early in spring and fall. They are perennials and fairly hardy. Seed may be sown outdoors, covering with one-fourth inch of soil. ¼ oz. 40c, pkt. 10c.

**1318. Chinese Forget-me-not** (Cynoglossum). Heavenly Blue. A lovely new annual, forming perfect bushes 18 inches high, and covered with masses of brilliant blue forget-me-not like flowers from June to frost. One of the prettiest flowers for cutting and massing. Pkt. 15c.

**EVERLASTINGS**—See Acroclineum, Helichrysum, Physalis, Lunaria, Statice.



Helichrysum (Everlasting).

## GRASSES

1395. Ornamental Mixed. Very effective when planted among annuals and shrubs. May be dried and combined with Everlasting flowers for winter bouquets. Easily grown from seed. Pkt. 10c.

1396. Coix Lachrymae (Job's Tears). Broad glistening leaves. The seeds are hard and shiny, and can be strung and used as beads. Pkt. 5c.

## HELIANTHUS (Sunflower)

1420. Miniature Sunflower. Dwarf graceful plants, producing sunflowers in many shades of rose, copper, bronze and orange. Very showy for backgrounds and borders, as the plants bloom all summer. Pkt. 10c.

1422. Red Sunflower. Curled petals of various shades of red and orange, beautifully shaded and bordered. Plants grow four to eight feet high. Pkt. 10c.



Orange Scarlet Geum.

**1381. Gaillardia Grandiflora** (Blanket Flower). Showy perennials valuable because of their vivid flowers and ease of culture. They thrive in any good garden soil, and a sunny position, and from July and until frost produce vivid orange and scarlet flowers, oddly marked and bordered.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

**1384. Geranium** (Mrs. Bradshaw). The most popular plant for house culture, window and porch boxes, and outdoor bedding. Attractive foliage, and brilliant flowerheads, very fragrant. Easily grown from seed, either in boxes indoors or in the garden. Pkt. 10c.

**1386. Geum** (Mrs. Bradshaw). Attractive perennials easily grown from seed. Height about 2 feet. Produce an abundance of orange-scarlet flowers, very large and double. Splendid for cutting. Pkt. 20c.

**1383. Gilia Capitata** (Thimble Flower). Graceful, free flowering annuals growing about 2 feet high. The plants are erect and bushy with fine feathery foliage. The delicate lavender-blue flowers are very desirable for cutting, and may be dried and used for winter bouquets. Pkt. 10c.

**1388. Godetia** Dwarf, hardy annuals of easy culture. They do best in a sunny position in rather poor soil. Sow the seed outdoors, in May, thinning out well in the rows, or start in hotbeds and transplant. Flowers are large, trumpet shaped, of satiny texture and rich coloring. All shades of rose.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

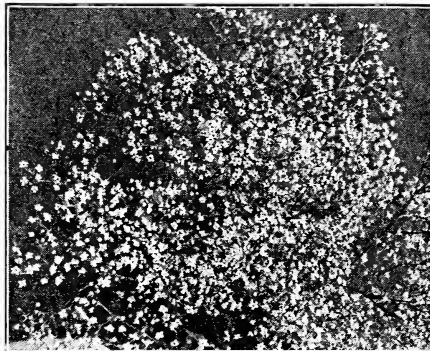
**1390. Gomphrena** (Globe Amaranth, Everlasting). Tall, bushy plants, with greyish foliage and clover-like flowers that may be dried for winter bouquets. Mixed colors, mostly white, rose and purple.  $\frac{1}{4}$  oz. 15c, pkt. 5c.

**GYPSOPHILA (Baby's Breath)** Delicate, feathery panicles of minute flowers. They are used extensively as cut flowers, in combination with other varieties, and for winter bouquets, for contrast. Easily grown from seed, in any good garden soil.

1415. Paniculata. Perennial. This variety grows two feet high, with graceful misty sprays of white flowers.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

1416. Annual White. Large flowering annual. Oz. 35c, pkt. 5c.

1417. Annual Pink. The prettiest for cutting. Oz. 35c, pkt. 5c.



Gypsophila (Baby's Breath).

## 1425. Helichrysum

(Everlasting). The largest and handsomest of the everlastings. Large, double flowers, in all shades of rose, crimson, purple, and yellow, borne on stiff stems, are produced all summer. They may be dried for winter bouquets.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

## 1428. Heliopsis pitcheriana

Perennial. Grows three to four feet high, producing its large golden yellow flowers on long wiry stems. Makes a brilliant showing in the garden and is invaluable for cutting. Pkt. 15c.

## 1430. Heuchera sanguinea

(Coral Bells). Graceful perennials suitable for the border or rock garden, and fine for cutting. The lobed leaves form a low-growing rosette, from which the tall slender stems rise to a height of 18 inches. The dainty flowers are bell-shaped, and of a rich coral red. Pkt. 20c.

## HOLLYHOCKS

(Althea Rosea). Perennial. Old fashioned garden favorites, of stately form and beautiful flowers. The plants grow three to six feet tall, with the large silky flowers closely set on the long stalks. The soil should be carefully prepared, with plenty of manure, and the plants well watered. Seed may be started in boxes, and plants set out when six inches high, or sown outdoors in April. Roots should be well covered in winter.

1434. Newport Pink. The finest bright pink, very tall, with massive double flowers. This variety is used almost exclusively in perennial gardens and landscape work.  $\frac{1}{4}$  oz. 50c, pkt. 10c.

1437. Double Mixed. Crimson, yellow, white, rose, in mixture.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

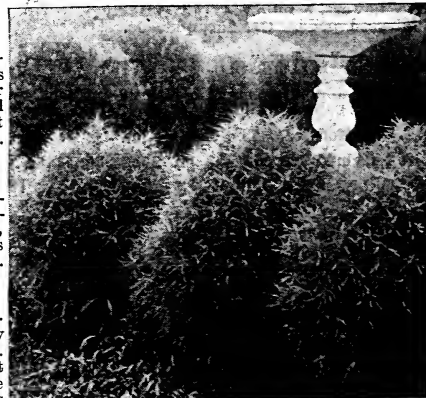
1440. Annual Everblooming Hollyhocks. A distinct, valuable variety, with good foliage and heavy stalks of bright flowers, pink, red, yellow, and white. Sow the seed indoors and set plants out in May. Especially valuable for sowing where hardy hollyhocks have failed to survive.  $\frac{1}{4}$  oz. 30c, pkt. 10c.

## 1444. Hunnemannia.

(Tulip Poppy). This is similar to the California Poppy, but of stronger growth, both as to plant and flower. It is the best poppy for cutting, as the flowers remain for several days, lasting well in water. They are bright lemon yellow, cup shaped, like a tulip. Pkt. 10c.

**1446. Ice Plant.** (M e s e m b r a n - themum Crystal-linum.) For hillsides, sunny banks, walls, and borders. Fine for poor soil. Foliage is thick and succulent, like particles of ice. Very ornamental. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

**1465. Kochia** (Summer Cypress). An easily grown annual, excellent for summer hedges. Plants grow rapidly from seed, to a height of three feet, forming a dense, cypress like hedge of perfect symmetry. The foliage is feathery, soft bright green, turning to deep red in the fall.  $\frac{1}{4}$  oz. 25c, pkt. 5c.



Kochia—Summer Cypress or Burning Bush.



**LARKSPUR** Annual varieties. These are among the best garden annuals, both for bedding and for cutting. They are not particular as to soil, but want plenty of sun; frequent watering will help keep them in bloom. Sow outdoors in April or May, for flowers from June to frost. The blossoms are double and semi-double, borne on long spikes, with delicate, feathery foliage.

1470. Double Ageratum Blue.  
1471. Double Dark Blue.  
1472. Double Rose, "Exquisite."

1473. Double Shell Pink.  
1474. Double White.  
1475. Double Mixed.

Price: 1/2 oz. 25c, pkt. 10c; one packet of each of above five colors for 40c.

**1476. Larkspur "La France"** A larkspur of unusual beauty and striking color. Of new, improved upright form the graceful spire shaped spikes are especially fine for cutting. Flowers are large and double, of a beautiful salmon-pink color. Pkt. 20c. Illustrated in color on page 56.

**Perennial Larkspur**—See Delphinium, page 57.

**1480. Lathyrus Latifolius** (Perennial Pea.) These charming climbers are great favorites in England, but are little known in this country. They are extremely hardy, of vigorous growth, and may be trained on porches, fences, trellises or stumps. Bloom all summer. Mixed colors, pkt. 10c.

**1485. Leptosiphon** French Hybrids. (Annual.) A fine flower for cutting and bedding. Plants branch freely, and produce large sprays of lovely flowers in a complete range of bright colors, pink, rose, blue, violet and white. A lovely cut flower, worthy of a place in every garden. Pkt. 15c.

**1486. Linaria maroccana.** Attractive low-growing annuals bearing an abundance of flowers like miniature snapdragons in a variety of gay colors. Very decorative for the border. Pkt. 15c.

**1487. Lunaria or Honesty**

Hardy biennials, with purple flowers, followed by silvery seed pods which make lovely winter bouquets when dried. Pkt. 10c.

**LUPINS** Ornamental annuals and perennials, with very beautiful, deeply cut foliage of greyish green. The plants are of branching habit, and produce many spikes of pea-shaped lavender or blue flowers. They grow easily from seed, in any soil, and should be watered freely.

1493. Hartwegi. Annual. Very free flowering, with beautiful lavender flowers and lovely ornamental foliage. 1/2 oz. 25c, pkt. 10c.

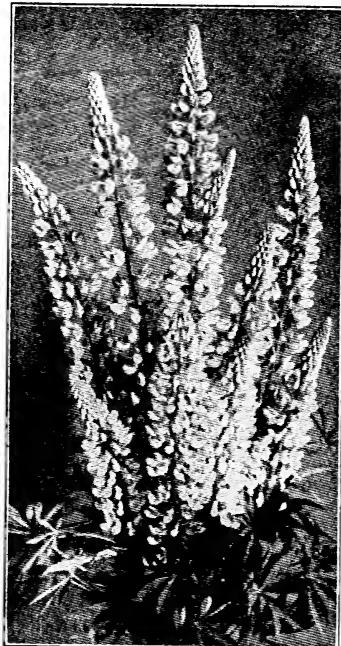
1494. Polyphyllus. Perennial. Hardy plants, two to three feet high, bearing numerous spikes of variously colored flowers. Prefers a shaded location, thrives in poor soil, and blooms in June. Pkt. 10c.

### 2002. Six Fragrant Annuals

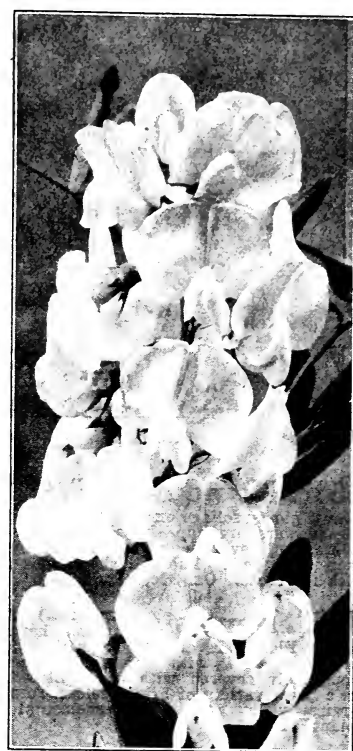
Alyssum Little Gem.	Pinks, Finest Mixed.	} 45c
Mignonette Reseda.	Nicotiana.	
Petunia Dwarf, Mixed.	Sweet Peas, Mixed Spencer.	

### 2004. Six Everlastings

Acroclineum.	Lunaria-Honesty.	} 35c
Helichrysum.	Statice.	
Jobs Tears.	Gomphrena.	



Lupins.



Lathyrus Latifolius (Perennial Pea).

**1489. Lobelia Crystal Palace.** Graceful annuals, used for bedding, borders, and baskets; foliage dark green, flowers brilliant dark blue. They require good soil, with plenty of water, and should be cut back during the hot summer months, so as to produce flowers again in the fall. 1/2 oz. 50c, pkt. 10c. Illustrated in color on page 56.

**1495. Lychnis chaledonica.** Handsome old-fashioned perennials two to three feet tall, with large heads of brilliant scarlet flowers from June to August. Make a fine showing in the hardy border. Plants are of easy culture, and bloom from seed the first year. Pkt. 10c.

### MARIGOLDS

(Tagetes.) Free flowering annuals of easiest culture. They succeed best in light soil, with plenty of sun, and bloom from early summer until killed by heavy frosts. They are beautiful for cutting, and last longer in water than almost any other flower. The African varieties grow to a height of three feet, and are best for massing, while the French Marigolds are dwarf, and make effective borders.

#### AFRICAN MARIGOLDS

1500. Lemon Queen. Giant double quilled flowers of lemon yellow. 1/4 oz. 30c, pkt. 10c.

1501. Prince of Orange. The most striking of all. Immense double quilled flowers, with ends of petals slightly frilled. Deep orange. 1/4 oz. 30c, pkt. 10c.

1502. Finest Mixed Varieties. All shades of yellow and orange, single and double sorts, mixed. 1/4 oz. 25c, pkt. 10c.

#### FRENCH MARIGOLDS

1504. Dwarf Legion of Honor. Single flowers of bright yellow, striped with reddish brown. The best for borders. 1/4 oz. 25c, pkt. 5c.

1505. Dwarf Striped. Double flowers, yellow and maroon. 1/4 oz. 25c, pkt. 5c.

1506. Tall French Josephine. We consider this the most beautiful Marigold. Flowers are large and single, velvety maroon, with a wide border of old gold. Plants grow about two feet high, very bushy, and covered with bright flowers. Fine for borders, massing and cutting. Pkt. 10c, 1/4 oz. 25c.

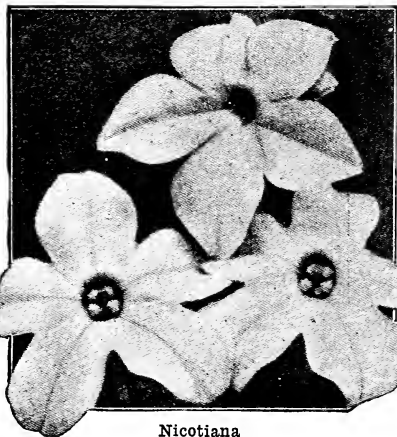
1507. Lucida, Sweet Scented. A tender, perennial Marigold, growing three feet high, very bushy. The entire plant is covered with small orange colored flowers of delicate fragrance, pleasantly different from the strong odor of other Marigolds. Pkt. 10c.



Giant African Marigold, Prince of Orange.



Linaria.



Nicotiana

**1537. Nemophila** (Pretty annuals, with heavy, glossy foliage on well branched plants. The flowers are cup shaped, lilac blue and white, and cover the plants from early summer until frost. The soil should not be too rich for these. Oz. 30c, pkt. 5c.

**1538. Nemesia** (Strumosa.) A very beautiful hardy annual. Plants are of dwarf growth, like miniature cypress, with fine foliage, and are completely covered with orchid-like flowers, in a great variety of bright colors, rose, blue, orange, yellow, etc. A fine ornamental border plant. Pkt. 15c.

**1540. Nicotiana** Affinis (Sweet Tobacco Plant). Graceful annuals, growing two to three feet high, with clusters of long-throated, star-shaped, white and pink flowers, of exquisite fragrance. Sow the seed in a warm, sunny place, in rich, well drained soil. Seed may be soaked in warm water to hasten germination.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

**1545. Nigella** (Devil-in-bush or Love-in-a-mist) Half-hardy annuals, with finely cut, feathery foliage, in which the flowers are set. Flowers are oddly shaped, and bright blue in color. Sow the seed outdoors, and thin the plants to a distance of six inches apart in the rows.  $\frac{1}{4}$  oz. 30c, pkt. 10c.

For house plants, ferns, window box plants, etc. See pages 35, 36, 37.

## PANSIES

The seed should be started indoors in March in carefully pulverized rich soil. Cover lightly, keeping the ground moist with a spray. Pansy seed germinates slowly and grows best in a cool location with good drainage. Plants should be set outdoors in May in a sunny, open position and watered frequently. If flowers are picked regularly, the plants will continue to bloom until frost. Protect with a mulch in fall and they will endure hard winters with perfect safety.

**1606. Bronze Shades.** Very large, artistic flowers in all shades of orange, yellow and bronze. Pkt. 20c.  
**1608. Purple and Blue Shades.** A choice mixture of rich blues and purples. Pkt. 20c.  
**1609. Mme. Perret.** A mixture of rich rose and wine shades, some blended with bronze. Pkt. 20c.

**1610.** Collection of one packet of the above three strains, for 50c.

**1626. F. S. & N. Co's Oregon Giant Pansies.** The best American strain of giant pansies grown. A wonderful mixture of huge long stemmed flowers in all the richest colors. In rich soil, this strain will produce flowers 2 and 3 inches across. Pkt. 15c.

**1628. Roggli Giant Pansies.** A distinct and beautiful strain, with richly colored flowers truly giant in size, and of exceptionally fine form and substance. Finest mixed colors: 1 pkt. 20c. See page 56 for colored illustration.

**1629. Masterpiece or Ruffled Pansies.** Large flowers in rich, dark shades with petals waved or frilled, giving a double appearance.  $\frac{1}{8}$  oz. 75c, pkt. 20c.  
**1631. Best Bedding Mixed.** Mammoth flowering types of great beauty in a complete range of rich colors.  $\frac{1}{4}$  oz. 75c, pkt. 10c.

**1635. Tufted Pansies (Violas).** Dainty brilliant flowers with free blooming habit. Plants are half-hardy and flowers resemble the violet more than the pansy, with their bright yellow centers and clear bright colorings. Mixed colors.  $\frac{1}{4}$  oz. \$1.00, pkt. 15c.

FOR PANSY PLANTS—See page 37.

**1512. Matricaria** (Feverfew.) Clusters of small, tightly double white flowers, similar to the pompon chrysanthemums, and pretty, finely cut foliage, making the plants valuable for pot culture and bedding. Double white flowers. Pkt. 10c.

**1516. Mignonette** Allen's Defiance. (Reseda.) Graceful, fragrant spikes of flowers without which no garden or bouquet is complete. We offer the Defiance strain with massive red spikes, twelve to fifteen inches long, of bright flowers which keep well in water.  $\frac{1}{4}$  oz. 35c, pkt. 10c.

## MORNING GLORIES—(Ipomea)

**1456. Giant Japanese Morning Glories (Hederacea).** The best of the morning glories, with dense foliage. Flowers of many colors, oddly blotched with white or cream. Oz. 25c, pkt. 10c.

**1458. Tall Purple Morning Glories.** The old variety, with purple flowers, indispensable for covering porches, etc. Oz. 20c, pkt. 5c.

**1460. Brazilian Morning Glory.** Quick growing vine with large, deeply lobed leaves, resembling oak leaves. Handsome rose-pink flowers are borne in large clusters. Oz. 30c, pkt. 15c.

Sacco Fertilizer will be of wonderful help in bringing out the finest possible colors and largest flowers—it is easily applied and entirely odorless—See page 84.

## NASTURTIUMS

Of all annuals, Nasturtiums give the greatest returns for the money and care spent on them. All they want is fair soil in a well-drained, sunny position, and they will furnish a gorgeous display of flowers from within a month of the time they are planted, until killed by heavy frosts. Plant dwarf nasturtiums for borders, and tall varieties for cut flowers and covering fences, etc.

### 1574. Dwarf Nasturtiums.

A splendid mixture of the best colors, maroon, rose, orange, and yellow. These make showy borders, as they are covered from July until frost with bright flowers. Mixed colors. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 60c.

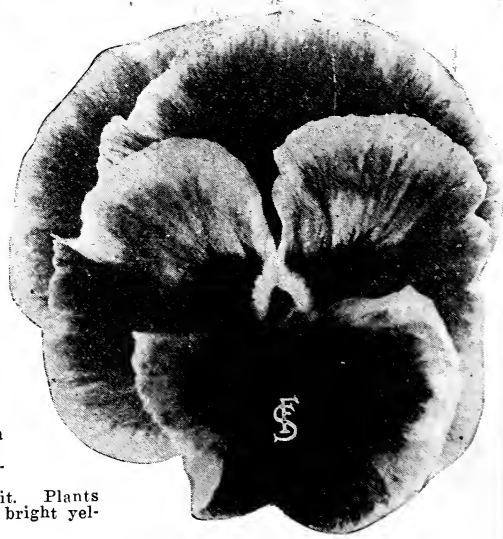
### 1598. Lobb's Tall Nasturtiums.

A beautiful mixture, of many shades of crimson, orange and yellow. For cutting and decorating, tall Nasturtiums are superior to the dwarf sorts, because of their large, long-stemmed flowers. Fine for covering fences, trellises, and for window and porch boxes. Mixed Colors:  $\frac{1}{4}$  lb. 60c, oz. 20c, large pkt. 10c.

Hard seeds, like cannas, nasturtiums, sweet peas, lathyrus, morning glories, etc., may be soaked in warm, not hot, water for several hours before planting, to hasten germination.



Climbing Nasturtiums.



Oregon Giant.

# PETUNIA

Annual. Petunias surpass all other plants for bedding purposes. They thrive in poor soil, and under the most adverse conditions. They come into bloom about six weeks after planting, and continue to bloom until killed by heavy frosts.

Sow the seed, which is very fine, in a warm, sunny position, barely covering it with finely pulverized soil. When necessary, water it with a fine spray, and thin out the plants when they are large enough. The seed may be started in hotbeds, and the plants set out when danger of frost is past.

**1644. Giant Double Petunias** This mixture includes the best of the giant double and double fringed sorts. For beauty of form and coloring, these Petunias surpass every other strain. The weaker seedlings should be carefully saved, as they produce the best colors. Only a certain percentage of double flowers will come true, but the balance will be giant single flowers, some frilled. Pkt. 30c.

**1655. Ruffled Giants** The flowers of this strain often measure five inches across, and are beautifully frilled and veined. Every color, from white and pale pink, to deep purple, is included in this mixture. Pkt. 25c.

**1656. Pride of Portland** An exquisite new variety, with enormous frilled flowers of deep rose pink. A fine petunia for porch boxes, bedding, etc. Pkt. 25c.

**1649. Rosy Morn** Carmine pink flowers, with white throat. Free flowering, and fine for borders and bedding. 1/2 oz. 50c, pkt. 15c.

**1651. F. S. & N. Co.'s Bedding Petunias** Finest Mixed. A splendid, showy mixture of dwarf sorts best adapted to bedding, in a complete range of colors. These Petunias will afford a gorgeous mass of fragrant flowers all summer and fall. 1/4 oz. 40c, pkt. 10c.

## PHLOX DRUMMONDI

(Annual Large Flowering Phlox). Valuable for bedding and borders, also for cutting. The flowers grow in flat clusters, and come in a wide range of bright colorings. Phlox is easily grown, as the seed may simply be sown broadcast, and raked in very lightly, in warm, rich soil, and a sunny position.

1660. White. 1662. Pink. 1664. Scarlet. 1661. Violet. 1663. Buff. 1673. Star. 1665. 6 pkts for 50c, 1/4 oz. 75c, pkt. 10c. 1666. Finest Mixed Bedding Phlox. 1/4 oz. 50c, pkt. 10c.

### Hardy Perennial Phlox

1675. (Decussata.) Tall, massive trusses of flowers in a wide range of brilliant colors are produced throughout the summer. Plants require good soil and plenty of sun, and should be divided every two or three years. Seed germinates slowly. Pkt. 15c.

**1642. Physalis** (Chinese Lantern Plant.) Very handsome ornamental plant, growing about 2 feet high, with broad foliage and many lantern-like fruits of orange scarlet, which hang from stiff stems. Most beautiful for winter bouquets. Pkt. 10c.

**PINKS**—See Carnation, Dianthus, and Sweet William.



Pyrethrum Hybridum.



Bedding Petunias

## ANNUAL POPPIES

There are two classes of poppies, annual and perennial. The annual poppies are most satisfactory, as they grow anywhere, usually reseeding themselves, and furnish a brilliant display of color throughout the summer.

**1692. Shirley Poppies** The most delicate of all poppies. The colors are exquisite, soft shades of pink, white, flaming red, and even blue. For sowing among tulips or gladioli, or as a border for perennials, there is nothing lovelier than Shirley Poppies. Mixed colors, 1/2 oz. 25c, pkt. 10c.

**1704. Single Mixed Poppies.** Best for mass planting, naturalizing, etc. Contains the best known varieties, in beautiful bright colors. Oz. 25c, pkt. 5c.

**1705. F. S. & N. Co.'s Mixture of Double Annual Poppies.** A fine mixture of gorgeous sorts, that will produce a brilliant display of color throughout the summer. Oz. 25c, pkt. 5c.

## PERENNIAL POPPIES

**1707. Iceland Poppy** (Nudicaule). Very hardy plants of graceful habit. They delight in a cool position, and produce exquisite yellow and orange poppies all summer. Will bloom the first year from seed. Pkt. 10c.

**1708. Oriental Poppy** The most gorgeous of all poppies. Very large flowers of orange, crimson, and salmon shades, appear in June. Plants die down after flowering, until fall, when new growth is formed. Seed may be sown outdoors in August, or started indoors in spring. 1/4 oz. 50c, pkt. 10c.

**CALIFORNIA POPPY**—See Eschscholtzia, page 57.

**1679. Platycodon** (Chinese Bell or Balloon Flower). Handsome, hardy perennials, producing tall clusters of bell shaped flowers throughout the summer. Excellent for massing among shrubbery or in the hardy border. Pkt. 10c.

**PORTULACA** (Rose Moss). Showy dwarf border plants with thick creeping foliage covered with a profusion of small rose-like flowers in brilliant colors. Prefers sunshine.

1712. Single, Mixed colors 1/4 oz. 25c, pkt. 10c.

1713. Double, Mixed colors 1/4 oz. 75c, pkt. 10c.

### 1723. Primula Malicoides

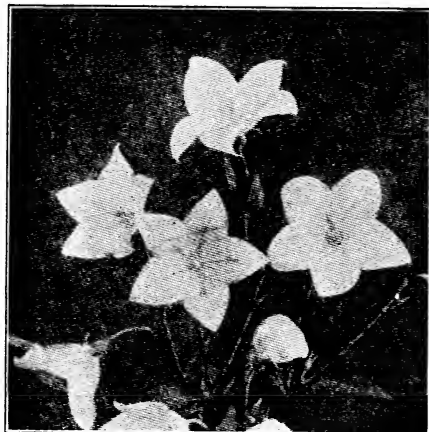
Charming winter blooming house plants, with clusters of delicate lavender flowers. Sow seed in boxes in rich soil and cover lightly. Transplant to pots when 3 or 4 leaves have developed. Pkt. 15c.

### 1726. Pyrethrum Hybridum

Lovely, hardy perennials very easily grown. Foliage is dense and finely cut. Flowers resemble daisies and range from white to deep rose. Bloom in May and June. Fine for cutting. Pkt. 10c.



Shirley Poppies



Platycodon.



Salpiglossis.

**SCABIOSA** (Pin Cushion Flower). Lovely old-fashioned annuals that deserve a place in every garden. They grow two to three feet high and bloom from July to October. Flowers are produced on long slender stems, in a variety of soft pastel shades, making them exquisite for cutting. Sow outdoors, in rich sandy loam, and a sunny position.

1751. Mixed Colors.  
1752. Azure Fairy, soft blue.  
1753. White.  
1754. Rose.  
1755. Cherry Red.  
1756. Blackish Purple.  
Pkt. 10c, 5 pkts. for 40c, ½ oz. 25c.

**1750. Perennial Scabiosa** (Caucasica). Hardy perennial, with exquisite soft lavender flowers, splendid for cutting. Blooms from August to October. Pkt. 10c.

Use Sacco Plant Food on all Flowers for Best Results.



Stocks.

### 1730. Ricinus—Red Spire

(Castor Bean). Tall, handsome annuals, of tropical appearance and rapid growth, valuable for backgrounds and screens. Foliage is deeply lobed and conspicuously veined, dark green and bronze in color. Tall showy seed pods of bright crimson. Plants do well in a hot, sunny position, and are not particular as to soil. Start seed in pots, transplanting when danger of frost is past, to 3 feet apart. Plants grow 8 feet high and spread widely. Oz. 25c, pkt. 10c.

### 1741. Salpiglossis

(Painted Tongue or Velvet Flower). Showy annuals of exquisite form and color, which bloom from July to October. Sow outdoors, in rows, when danger of frost is past, in rich sandy loam having good drainage. Cover lightly and water carefully. Flowers range from deep crimson, rose and purple, through gold, pale blue, and white, usually veined with gold. ¼ oz. 50c, pkt. 10c.

### SALVIA

(Scarlet Sage). Annual. One of the best summer bedding plants, with healthy green foliage and tall spikes of vivid scarlet blossoms. They form an effective combination with coleus, cannas, or Pyrethrum Aureum, and bloom from July until killed by frost. Start the seed in hotbeds or boxes, transplanting 12 inches apart outdoors in May.

1745. Splendens. Plants grow 3 feet high and are much branched, producing many tall spikes of scarlet blooms. The best for tall borders. ¼ oz. 75c, pkt. 10c.

1746. Fireball. Compact plants, twelve to fifteen inches tall, with orange scarlet flowers on massive spikes. ¼ oz. \$1.25, pkt. 10c.

### 1749. Saponaria

(Bouncing Bet). A very pretty annual, 2 feet high, bearing clusters of small satiny pink flowers. A charming cutflower, especially in mixed bouquets. Make several sowings of this. ½ oz. 25c, pkt. 10c.

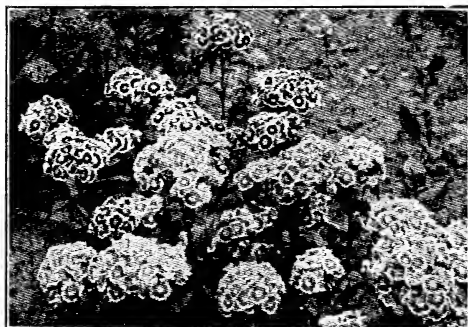
### 1764. Schizanthus

(Butterfly Flower). Dainty tender annuals, which deserve a place in every garden. Plants are of bushy, luxuriant growth, with delicate foliage and masses of exquisite orchid-shaped flowers. Colors range from cream to deep lavender and rose, with orange, yellow, brown, or purple markings. Seed may be sown outdoors, in May, and the plants thinned to six inches apart, and carefully staked. They are valuable for massing among bare stemmed plants, and for cutting. Pkt. 15c.

Shasta Daisy—See Chrysanthemum, page 54.

Scarlet Runner—See Page 5.

Sweet Sultans—See Centaurea, page 54.



Sweet William.

### STOCKS—EARLY GIANT

**IMPERIAL** This new strain surpasses the Old Ten Week Stocks in every way. Plants grow from 24 to 30 inches tall, producing many spikes of massive, double flowers of exquisite fragrance. They bloom from late in July until November. Sow the seed outdoors, in May, or start indoors in boxes.

1771. Chamois, cream tinted with old rose ..... Pkt. 20c  
1772. Deep Rose Pink ..... Pkt. 20c  
1774. Fiery Blood Red ..... Pkt. 20c  
1776. Mauve Lavender ..... Pkt. 20c  
1777. Mixed Colors. ½ oz. \$1.50, Pkt. 20c  
1778. Evening Scented Stock. (Matthiola Bicornis.)

This old fashioned annual is grown chiefly for its delicious fragrance, which fills the garden at night. Flowers are purplish lavender. Pkt. 10c.

### SWEET WILLIAM (Dianthus Barbatus).

Well known showy perennials, effective in beds and borders. Fragrant flowers of rich and varied colors are borne in flat, compact clusters, on tall stiff stems. Sow the seed in rich, well drained soil, covering with one-fourth inch of soil. Blooms all summer and is useful for cutting.

1890. Single Mixed. ½ oz. 35c, pkt. 10c

1891. Double Mixed. ½ oz. 50c, pkt. 10c

1895. Hardy Everblooming. (Dianthus Latifolius Atrococcineum). This is the result of crossing the hardy Sweet William with an annual Pink. The color is an intense velvety crimson. This variety is fully as hardy as common Sweet William, and blooms all summer. Pkt. 10c.

### 1768. Solanum (Jerusalem or Christmas Cherry.)

One of the prettiest plants for indoor culture. Bushy, compact, with small shiny leaves and many bright scarlet berries. Very easily grown from seed. Pkt. 10c.

### 1769. Statice Suworowii

(Bat Tail Everlasting.) Gracefully twisted heads of flowers cover the plant in July and August. These may be dried for winter bouquets. A lovely border plant. Flowers bright rose. Pkt. 10c.

For Ferns—House Plants—Window Box Plants—Vines, etc.—See Pages 35, 36, 37.



Scabiosa—Mourning Bride.



## SPENCER SWEET PEAS

One ounce of seed will plant a single row 50 feet long.

Sweet Peas should be planted as soon as the ground can be worked and the soil is dry enough to work without becoming sticky. Rich sandy loam, well mixed with manure, is best. If soil is acid, a few pounds of slaked lime should be applied.

Dig a trench two feet deep and at least a foot wide, preferably running north and south, to give all the plants the benefit of the sun. If commercial fertilizer is used, allow 4 lbs. sheep manure and 1 lb. bone meal to every six feet of trench, and mix well with the soil. The seed should be sown two inches deep. Cover with pulverized soil, and as the vines grow up, fill the trenches with soil, nearly to the top of the young plants.

### Ten Extra Fine Varieties

- 1837. **Old Rose** Lovely shade of old rose. Flowers large.
- 1841. **Heavenly Blue** Soft, clear delphinium-blue.
- 1839. **Mary Pickford** Large frilled flowers of cream-pink, suffused with salmon.
- 1842. **Asta Ohn** Lavender suffused with rosy mauve.
- 1840. **Royal Purple** Clear rich shade of purple.
- 1861. **Matchless Cream** The best cream colored sweet pea, very large.
- 1838. **Sunset** Beautiful soft rose, shaded with amber.
- 1851. **Constance Hinton** Large heavy waved flowers of pure white.
- 1858. **Illuminator** Salmon orange with cerise shadings.
- 1848. **Hawmark Scarlet** The best clear scarlet.

Price: Pkt. 10c, oz. 30c, prepaid.

**Special—One pkt. each above 10 varieties 75c, one oz. of each \$2.50, prepaid.**

**1865. Rainbow Mixed Spencer Sweet Peas** This mixture is made up of the best named varieties in this class, in a complete range of colors. For the average garden, and for planting large areas, our Rainbow Mixed Spencers are unsurpassed. Lb. \$1.75, ¼ lb. 50c, oz. 25c, pkt. 10c, prepaid.

**1875. Early Flowering Spencer Sweet Peas** This new strain comes into bloom a month earlier than the common sorts, and continues to flower for several months. Early Spencers produce the same large frilled flowers, in an extensive range of color, on long, strong stems. We offer a choice mixture of colors. Oz. 50c, pkt. 10c.

### Early Wonder Wallflower

NEW DOUBLE ANNUAL

**1920.** An attractive novelty valuable for pot culture and out-door bedding. If seed is started early in spring, plants will be in full bloom by the first of June. Flowers are large and double, and sweetly fragrant. Mixed colors. Pkt. 20c.

**VIOLAS—See Tufted Pansies, page 60.**

## VERBENAS

### GIANT HYBRID STRAIN

Showy, hardy annuals of low spreading growth, covered with big clusters of brilliant fragrant flowers from June to October. Excellent for borders and flower beds.

#### 1900. Blue and Purple Shades

All shades of blue, lavender, and purple. Pkt. 15c, 2 pkts. for 25c.

**1907. Lucifer** Broad clusters of immense scarlet flowers. Free flowering, fragrant, and unsurpassed as a bedding plant. Pkt. 15c, 2 pkts. for 25c.

#### 1908. Luminosa

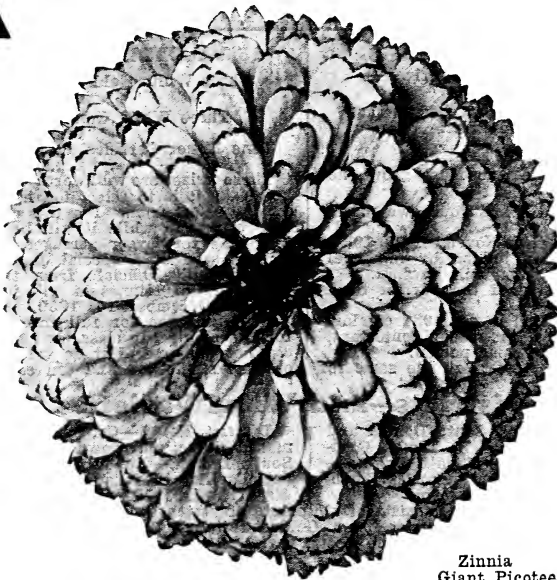
Huge trusses of fragrant flowers, of brilliant flame pink, shading to salmon. Pkt. 15c, 2 pkts. for 25c.

One packet of each of the above three Verbenas for 35c.

#### 1905. F. S. & N. Co's.

#### Choice Mixed Verbenas

A well blended mixture of rich colors, blue, purple, crimson, rose, and white. Pkt. 10c, ¼



Zinnia  
Giant Picotee

## ZINNIAS

Hardy annuals. Zinnias have become the aristocrats of the garden. The plants are sturdy, bushy, and well branched, and bloom from July until killed by heavy frosts. Seed may be sown in hotbeds and the plants set out in May, or plant outdoors when danger of frost is past.

### GIANT DAHLIA FLOWERED

The flowers of this wonderful new class are of enormous size, 3 to 5 inches across.

**1931. Crimson Monarch** Very large flowers of bright red. Pkt. 25c.

**1936. Dream** A fine deep lavender turning to purple. Pkt. 25c.

**1937. Oriole** An immense orange and gold bi-color, the most beautiful of all. Pkt. 25c.

**1939. Illumination** An exquisite shade of deep rose, the inner petals showing white on the reverse side. Pkt. 25c.

**1938. Mixed Colors** Pkt. 15c, ¼ oz. \$1.00.

### GIANT MAMMOTH ZINNIAS

**1961. Giant Mammoth Rose Queen** Exceptionally good for bouquets and in the garden. A bright rose color, with flowers of enormous size. Pkt. 15c, 2 pkts. for 25c.

**1950. Giant Mammoth Mixed** An improved strain, the flowers of which often measure five inches across, and are unequalled in richness and brilliancy of color. Pkt. 10c, ¼ oz. 50c.

**1935. Giant Picotee Zinnia** A distinct type. Flowers are very double with edges of petals serrated and tipped with a deeper color. Pkt. 15c, ¼ oz. 85c.

**1970. Quilled Zinnia—"Achievement"** Beautiful flowers with long narrow petals much twisted and curled. Colors range from buff to rose and maroon. Pkt. 15c, ¼ oz. 85c.

**1965. Dwarf Zinnias** Flowers are large and double, and cover a wide range of colors. Plants grow two feet high, very bushy, and are much used for borders and bedding. Mixed colors. Pkt 5c, ¼ oz. 25c. **WILD CUCUMBER—See page 57.**



Wallflower.



# And Now The Third Annual

## CORN GROWING CONTEST

# 33 PRIZES

### No Cost to Enter—You Have Every Chance to Win

Interest in our Boys' and Girls' Corn Growing Contest is growing from year to year, and there are good reasons. The instructions are simple to follow—it is interesting work and the prizes are really worth while. So again our boy and girl friends, under 20 years of age, will have an opportunity to prove that Farmer Seed & Nursery Co.'s Seed Corn really produces prize-winning ears, when properly cared for. If you have missed the past two contests, or if you failed to win, try again—it's a lot of fun and good valuable experience.

### Who Can Select The Best Single Ear      Who Can Grow The Best 10 Ears of Corn

**CONTEST SEED FREE.** We furnish contest seed free in the single ear class—just ask for a packet of the variety to grow for your district—care for it yourself, select the best ear and send it in to us not later than November 20, 1930.

#### 18 FINE PRIZES IN THE SINGLE EAR GLASS

Three White Gold Elgin Pocket Watches as First Prizes—  
One for each district.

Fifteen Honor Certificates, with a \$1.00 Bill Attached to the  
Five Next Prize Winners in each district.

#### CONDITIONS OF CONTEST

This is your contest, boys and girls, and you must grow the variety designated for your district.

Plant and care for the corn yourself and select your own prize-winning ears.

All entries must reach here by not later than November 20, 1930. All ears submitted will be exhibited and judged by impartial judges from the University Farm whose decision will be final.

All samples submitted become the property of the Farmer Seed & Nursery Co.

The names of all prize winners will be listed in our 1931 catalog. More than one entry may be made by the same contestant, though only one prize can be awarded to the same person.

Conditions of contest are the same for

#### 15 VALUABLE PRIZES IN THE TEN EAR GLASS

Three White Gold Elgin Pocket Watches as First Prizes—  
One for each district.

Three White Gold Wrist Watches as Second Prizes—  
One for each district.

Nine Honor Certificates, with a \$2.00 Bill Attached to each—  
Six for each district.

These prizes are well worth working for and you will be surprised how easy it is to select ten fine ears when you have choice quality corn to select from. For this class, an acre or more of corn should be grown, and while it will be impossible for us to supply contest seed free for larger acreages, we offer to help you by supplying contest seed at a special discount in return of the ten ears you will exhibit. Officials from the Agricultural Department of the University of Minnesota will judge the corn and declare the winners by December 10, 1930.

Send at once for full information and tell us if you will try for the single ear class, or the ten ear class. No reason why you can not win one of these valuable prizes.

both the single ear and ten ear classes.

### The Three Districts—and What Varieties to Grow

**District No. 1**—Includes all points in northern South Dakota and North Dakota, Minnesota and Wisconsin, north of St. Cloud, Glenwood and Morris, Minnesota—Aberdeen and Selby, South Dakota—Barron, Ladysmith and Merrill, Wisconsin. For this district Northern or Haney's strain Minnesota No. 13 must be grown.

**District No. 3**—Consists of all points or states south of District No. 2. For this district, plant Golden Jewel, Yellow Dent.

You will find all of the above varieties are fully described in this catalog.

**District No. 2**—Consists of all points south of District No. 1 named above, and down to a line running through Miller, Astoria, South Dakota—Redwood Falls, Gaylord and Red Wing, Minnesota—Nellsville, Stevens Point and Green Bay, Wisconsin. For this district, plant Minnesota No. 13, central strain.

### Prize Winners in Our 1929 Boys' and Girls' Corn Growing Contest

Forty-five boys and girls representing nearly all states in the Corn Belt were made happy at Christmas time when they were awarded the handsome prizes offered in our Boys' and Girls' Corn Growing Contest.

Many fine specimens of single ears of corn were grown from "Farmer Brand" Seeds. The exhibit attracted wide attention and an elaborate corn show was staged at the Tri County Grain and Corn Show at Faribault, Dec. 11-12-13.

The judging was in charge of A. D. Haedeke of the University Farm, St. Paul, Minn., who declared the following as prize winners:

#### FIRST PRIZES—3 FINE WHITE GOLD ELGIN POCKET WATCHES

Awarded to—

Ruben Eckberg, Sauk Center, Minn. .... District No. 1  
Chas. E. Nelson, Randolph, Minn. .... District No. 2  
Elmer Lauer, Eldorado, Iowa .... District No. 3

#### SECOND PRIZES—3 HANDSOME WRIST WATCHES

Awarded to—

Herbert Chinander, St. Croix Falls, Wis. .... District No. 1  
Marie Gerhardt, Rosemount, Minn. .... District No. 2  
Raymond Scott, Lewisville, Minn. .... District No. 3

#### THIRD PRIZES—3 BEAUTIFUL FOUNTAIN PENS

Awarded to—

Herbert Bergstrom, Foley, Minn. .... District No. 1  
Paul Pierson, Shakopee, Minn. .... District No. 2  
Floyd Studer, Roanoke, Ill. .... District No. 3

#### Honor Certificates District No. 1

Robert Chinander, St. Croix Falls, Wis.; Flossie Billington, Sebeka, Minn.; Arthur Nordberg, Starbuck, Minn.; Carl Peterson,

#### Honor Certificates District No. 1

Clam Falls, Wis.; Ray Brandt, Onamia, Minn.; Raymond Guelow, Sauk Center, Minn.; Glenn H. Thelen, Randall, Minn.; Cleopka Diederick, Sauk Rapids, Minn.; Evelyn Billington, Sebeka, Minn.; Leona Diederick, Sauk Rapids, Minn.; Jos. Witte, St. Cloud, Minn.; Norma Klement, Brook Park, Minn.

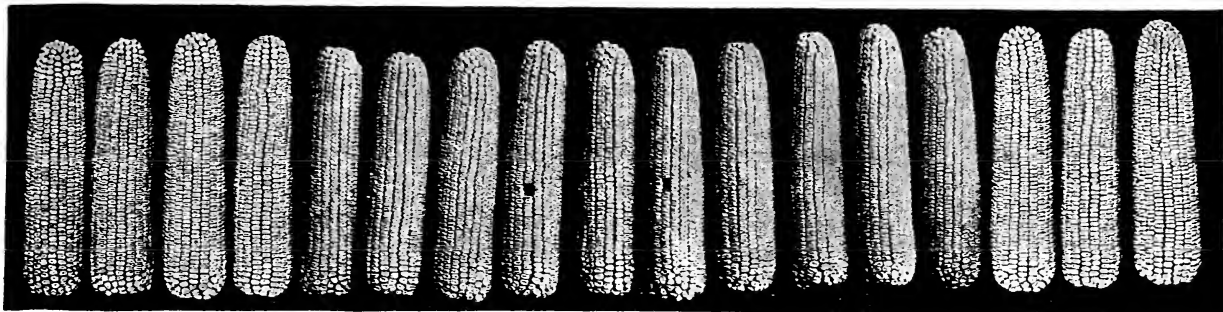
#### Honor Certificates District No. 2

Geo. Nelson, Randolph, Minn.; Carl O. Ott, Bay City, Wis.; Manley Torbert, Litchfield, Minn.; Ardeth L. Anderson, Hager City, Wis.; Elrene Pierson, Shakopee, Minn.; Dorothy Bellis, Farmington, Minn.; Myrtle Novotny, Olivia, Minn.; Glenn F. Anderson, Hager City, Wis.; Edward McDevitt, Shakopee, Minn.; Leonard LeMay, Rosemount, Minn.; Edwin Fredrickson, Hutchinson, Minn.; Ernie Bondeson, Newport, Minn.

#### Honor Certificates District No. 3

Evelyn Crail, Kempton, Indiana; Eunice Christiansen, Newell, Iowa; Velma Richers, Peterson, Iowa; Elizabeth Elmer, Wells, Minn.; Marcell Conrad, Dallas, Iowa; Chris J. Sage, Jr., Northwood, Iowa; Edmund Steffenmeier, Morgan, Minn.; Norbert Bruns, Beecher, Ill.; Mae Hinman, Pilot Mound, Iowa; Ernest Rickers, Peterson, Iowa; Bruno Otto, Linn, Missouri; Adrian Conrad, Dallas, Iowa.

# MINNESOTA GROWN SEED CORN



Type Ears of Golden Jewel.

The corn crop of 1929, taking the country as a whole, was quite satisfactory. There were a number of sections, however, that suffered from drought, hail and immature corn due to a late spring or to unadapted varieties.

Our highly bred varieties are producers of large yields of corn and we have just the type that is adapted to your particular locality. It does not pay to take chances with run out or inferior seed of any kind when you can obtain seed of quality at reasonable cost

**Our Guarantee:** Our Seed Corn has been thoroughly fire dried and tested for germination, and freedom from disease. Not only is it your privilege, but we ask you to test your corn as soon as it is received. If the results of a fair test indicate that the seed is not up to standard, write us. If unsatisfactory, we do not want you to keep it, and you may return it to us and your money plus transportation will be cheerfully refunded, or you may exchange it for other items.

## STATE CERTIFIED AND SEALED SEED CORN

A service was inaugurated last year through which our customers were given an additional assurance that seed corn bought from us would be exactly as described. It is a State Certified and Sealed Service conducted by the Minnesota Crop Improvement Association. This service met with instant approval and our sales increased to such an extent that we have decided to continue with it. Careful inspection is given to the crop from the time the seed goes into the ground and during the growing period until the new crop is husked, sorted, dried, shelled and graded, and finally sealed in the sacks for shipment to you. We offer State Certified and Sealed Seed in all main crop varieties

### GOLDEN JEWEL Certified

Golden Jewel Corn is the result of careful breeding and selection conducted by us on our own farms. We crossed Early Murdock with the large type Mastodon to produce this high yielding variety with the great feeding value. Never has any other variety been distributed so rapidly and completely throughout the Northwest which has met with such instant favor. It is especially adapted to Southern Minnesota, South Dakota, Iowa, Southern Wisconsin, Illinois and other Corn Belt states.

The ears are of a golden yellow color, very compact, 8 to 10 inches in length, with 16 to 20 rows of deep, square shouldered kernels on a small, red cob.

Golden Jewel will outyield any other variety now being grown in Southern Minnesota, and also produces an abundance of fodder or silage as the stalks grow 7 to 8 ft. tall and the leaves are vigorous, broad and succulent.

This variety will mature under normal growing conditions in 95 to 100 days, developing good sized ears that yield from 70 to 100 bu. per acre.

### GOLDEN GLOW, WISCONSIN No. 12 Certified

Golden Glow is a much favored variety in the corn producing states since it is an excellent yielder of quality grain and may be successfully grown farther north than Golden Jewel. Over half of the corn now grown in Wisconsin is Golden Glow.

This variety is the result of a cross between Wisconsin No. 8 and Toole's North Star. It combines both earliness and yield which was the purpose for making such a cross. Golden Glow is an attractive corn, the ear being golden yellow, 8 to 9 inches in length, very symmetrical with tips well filled. Kernels are medium deep and are dimpled to wrinkled. Our original stocks were obtained from Wisconsin and we find our particular strains of Golden Glow better adapted to general Corn Belt conditions than many other strains that are being offered. Time of maturity is just a few days less than for Murdock which makes it somewhat safer in unfavorable seasons.

### COLD RESISTANT GOLDEN GLOW Certified

The type is similar to the regular Golden Glow but it may be planted earlier in the spring and it matures 10 days to 14 days sooner. It is grown as a main crop variety in northern Wisconsin, northern Minnesota and North Dakota.

Cold Resistant Golden Glow is highly recommended by the Wisconsin Experiment Station because its earliness ideally fits it for the short, cool seasons of northern Wisconsin. Our seed was grown from the finest stock of Certified Cold Resistant Golden Glow obtainable and you can rely on its genuineness.

### NORTHWESTERN DENT Certified

Northwestern Dent corn is a cross between a red flint and a yellow dent, and has red kernels with light yellowish and cream shadings. No other variety is grown as extensively in North Dakota, northern Minnesota and Wisconsin as Northwestern Dent. Under ordinary conditions, it matures in 85 to 90 days, and under very favorable conditions, in 75 days.

Northwestern Dent yields from 50 to 70 bushels per acre. The ears are of good size, 7 to 9 inches long, bearing 10 to 14 rows of kernels. The stalks average 7 to 8 feet in height, bearing the ears about 3½ feet from the ground.

Because of its earliness and large yields, it is the corn for hogging down.



Cold Resistant Golden Glow.

*I have been satisfied with all the seeds I got from you. They seem to do better on our land—they are raised in our own state and acclimated. There sure is a difference.*  
Harry Smart, East Grand Forks, Minn.

*Please send me your catalog for I am always in the market for something for I have the best of luck with your seeds of any.*

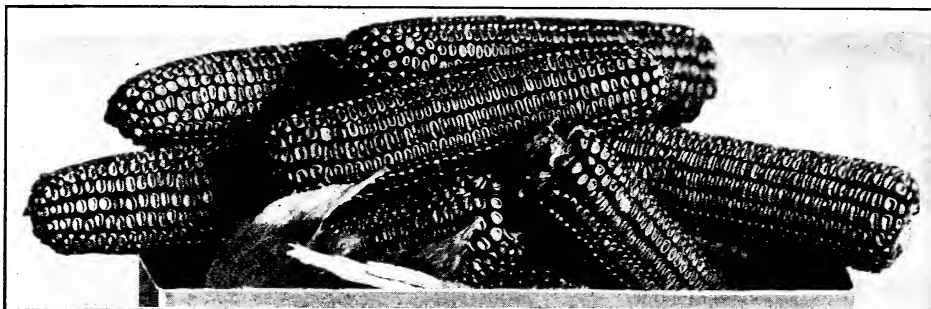
Walter F. Scott, St. Charles, Minn.

*I am making a great success of the Golden Jewel I got from you. It matures 10 days earlier than any other corn around here.*

J. T. Bond, Parnell, Iowa.

**OUR SPECIAL CERTIFIED STRAINS OF MINNESOTA No. 13**

Plant  
State  
Certified  
and  
Sealed  
Seed  
Corn.



Treat  
Your  
Seed Corn  
with  
Semesan Jr.  
(See Page 50.)

**Minnesota No. 13. (See back cover.)**

Minnesota No. 13 was developed by the Minnesota Experiment Station. The original strain was adapted to central and southern Minnesota conditions but would not produce mature corn in the northern part of the state. To meet this requirement for earliness

and also a demand in the southern section for a larger type, two new strains were developed known as the Extra Early and Southern or Large Type Minnesota No. 13. This season we offer you all three strains.

**LARGE TYPE OR SOUTHERN STRAIN No. 13**

This strain is particularly adapted to southern Minnesota and Wisconsin, South Dakota, northern Iowa, Illinois and Nebraska. The ears are smooth, deep yellow in color, 7 to 9 inches in length, with 14 to 16 rows of medium deep kernels. Stalks grow 6 to 7½ feet tall and ears are just the right height for husking, being 3½ to 4 feet from the ground. It matures in about 90 days and produces average yields of 75 bushels per acre on good corn land, and prices are very reasonable this season. Now is the time to get started with new seed. See back cover of catalog.

**CENTRAL STRAIN No. 13**

This was the original strain developed by the Experiment Station and is similar to the other strains of Minnesota No. 13 except that it is about a week earlier, maturing in 80 to 85 days. The ears are a trifle smaller but it will yield almost as well as the southern strain and is pretty sure to produce ripe corn practically every year. Many farmers realize that it is better to have ripe corn every year with a moderate yield than to have a larger type that will ripen only two or three years out of five. This corn is grown from seed produced in Meeker County, Minnesota, and has the recommendation of the Minnesota Crop Improvement Association as well as ours that it is adapted to central Minnesota and Wisconsin and northern South Dakota.

**EXTRA EARLY STRAIN No. 13.  
(Northern or Haney's Strain)**

This strain is adapted for northern Minnesota, Wisconsin and North Dakota and is the earliest yellow dent corn now being grown. It has the same general characteristics of the other Minnesota No. 13 strains although the ears are necessarily smaller and the stalks grow about 5 to 6 feet tall. It matures very readily under normal conditions, producing as much as 45 to 50 bushels of ripe corn.

**EARLY MURDOCK GOLDEN DENT Certified.**

Murdock is quite similar to Golden Jewel. It is a few days earlier and has on the average 16 to 18 rows. The kernels are deep and have a wrinkled to pinched dent. Like the Golden Jewel, it has won many prizes and is very popular. The ears are 8½ to 9½ inches long, of a golden color, quite compact and uniform. It has been grown successfully as far north as Central Minnesota and Wisconsin and is an excellent early variety for Illinois, Iowa and other states of the Corn Belt. It matures in about 93 to 97 days.

In 1928 the yields of Murdock ranged from 65 to 90 bu. per acre, the average being about 80 bu.

**RUSTLER WHITE DENT Certified.**

This early variety, originated in North Dakota, is well acclimated to the Northwest. For early ripening, big yields and compact growth of ears, it is one of the best; admirably adapted to a northern climate. The average height of the stalk is 8 feet; average distance to base of ears from ground is 3½ feet. The ears are large, closely filled with large, deep kernels. Matures in 95 days. We know of no better all around dependable white dent corn than Rustler, and recommend it for all sections of southern and central Minnesota, Iowa and Wisconsin. Rustler is the main white corn for southern and central Minnesota.

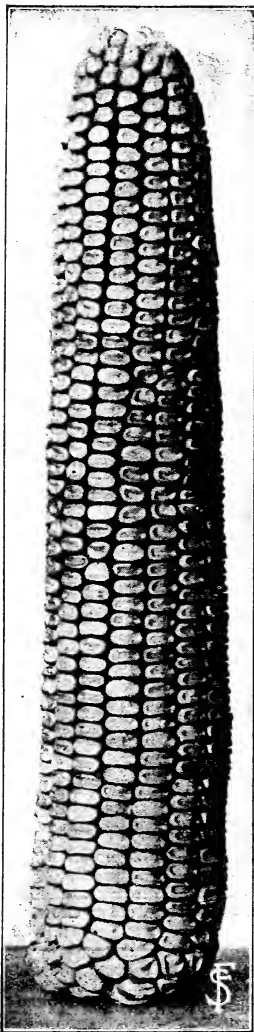
**SILVER KING OR WISCONSIN No. 7 Certified.**

This is the best white dent variety for the southern part of Minnesota, Wisconsin and South Dakota, also for Iowa and Illinois. In Wisconsin, it is estimated that one-fifth of all the corn grown is of the Silver King variety. It is creamy white in color, with slightly rough kernels. The ears are well formed, eight to ten inches long, sixteen to twenty rowed, and completely filled out to the tips with kernels of good length.

Silver King is a strong leafy grower, with heavy foliage, which makes it an excellent sort for the silo. It is a big yielder, often producing 85 to 90 bushels of corn per acre. It resists cold weather to a remarkable degree, and matures in about 100 days. Silver King is a fine show type corn, and has won prizes at many corn shows.

**MINNESOTA IDEAL CORN Certified.**

This splendid large eared yellow dent corn, which we originated and introduced years ago, has surpassed our own expectations, because of its great productiveness. It belongs at the head of all standard corn varieties, not only in southern Minnesota and sections parallel with it, but also in comparison with the standard varieties in the main corn growing sections of South Dakota, Iowa, Illinois, etc. Minnesota Ideal is the largest eared yellow dent corn, maturing only 3 to 4 days later than Minnesota No. 13. Under ordinary conditions, its average yield is 70 to 75 bushels per acre, which can easily be increased to 100 bushels, under favorable conditions and good culture. Minnesota Ideal has a strong and vigorous root system and comparatively thick stalks close to the ground, which enables it to stand up better than other varieties. This is a great advantage, especially if husked from the stalk.



**Minnesota Ideal.**



**Rustler.**



# FLINT, FODDER AND ENSILAGE CORN



F. S. & N. Co's Ideal Silo Corn is the greatest producer of Fodder you can plant.

## CANADA SMUT NOSE FLINT

This corn matures in 80 to 85 days and averages 75 bushels per acre of well matured corn. The stalks, which average 7 feet in height, often bear two or three ears, 10 to 15 inches long, very compact, and rich golden yellow, blazed with red towards the tip. The ears are set about three feet from the ground. As the Smut Nose is not as hard and flinty as most flint varieties, it is often planted in preference to dent corn.

## KING PHILIP FLINT

This extra early red flint corn is eight-rowed and one of the most reliable and productive varieties for the Northwest. The ears grow 12 inches long with eight straight rows of broad kernels of shiny red color. Stalks produce two and sometimes three good large ears. Not nearly as hard as ordinary Flint Corn. The stalks grow about 7 feet in height and are very leafy, therefore more valuable for fodder than Dent Corn. Matures in 80 days.

## LONGFELLOW FLINT

A yellow flint corn of rich and glossy appearance. The ears are 12 to 16 inches long, filled with large, broad kernels. It is not unusual to find three full-sized ears growing on one stalk and fields that yield 60 bushels per acre. It is a heavy producer of fodder as well as of ears. The average height is 7½ feet, while the ears are set about 3 feet from the ground. Matures in 85 days.

### DO YOU KNOW

That—The cost of land and labor is the same whether you plant quality seed at 75c or common corn at 40c per acre?

That—It takes only ½ bu. increase in yield to pay this difference in cost? Now — If bred-up seed will add 10-20 bu. to the yield — Does it pay?

## F. S. & N. CO.'S IDEAL SILO CORN

Known throughout the Northwest as the greatest yielder of corn for fodder purposes. For feeding green, ensilage, and for curing in shocks to be fed in the bundle, it is the most productive corn obtainable.

Ideal Silo Corn is of exceptionally strong, vigorous growth, with stalks growing 8 to 10 feet high, and broad, thick leaves that make succulent fodder. It is not coarse, like southern fodder corn. The ears grow from 8 to 10 inches long, with medium deep yellow kernels.

Because of its deep vigorous root system, it adapts itself readily to unfavorable soil and climatic conditions, withstanding drought and wind, and cold, wet weather equally well. It matures in 95 to 100 days, only a few days later than Minnesota No. 13, but is superior to this in every respect.

As a silo filler, Ideal Silo Corn is unsurpassed. Many of our customers, who now depend upon Ideal Silo Corn for all their fodder, have filled silos, 12x24, with corn from 4 acres and 12x35, with corn from 6 acres, when ordinary corn from 10 to 12 acres for the same sized silo was formerly required.

## RED COB FODDER CORN

A pure white corn, cropping as high as 35 tons of fodder per acre, which is sweet, tender and juicy, and furnishing great quantities of nourishment. The stalks have short joints, therefore produce an abundance of leaves, and grow to a good height. This corn is suitable for all sections for fodder, but will not ripen here.

## YELLOW DENT FODDER CORN

A standard early variety that has given our customers very good satisfaction for many years. It is a heavy yielder of fodder and may be used for feeding green from the field, as well as for silo filling and for curing in shocks, to be fed later in the bundle.

Early type—Stalks large, ears medium, matures in 85 to 90 days. Late type—Stalks very large, ears large, matures in 95 to 100 days.

## WHITE DENT FODDER CORN

Similar to the yellow dent fodder varieties, and is especially productive of leafy growth and large ears.

We offer both early and late types.

## SWEET FODDER CORN

This variety will grow 9 to 10 feet high and produce a great amount of fodder, which is equal to the best hay. It will increase the production of milk wonderfully, when fed to dairy cows. Stalks are sweet, tender, juicy, and nutritious, with large broad leaves produced in great abundance. Weight, 48 lbs. per bu., same as sweet corn.

Price: Any variety of seed corn listed—lb. 25c, 5 lbs. \$1.00, prepaid. Not prepaid, lb. 20c, 5 lbs. 75c.

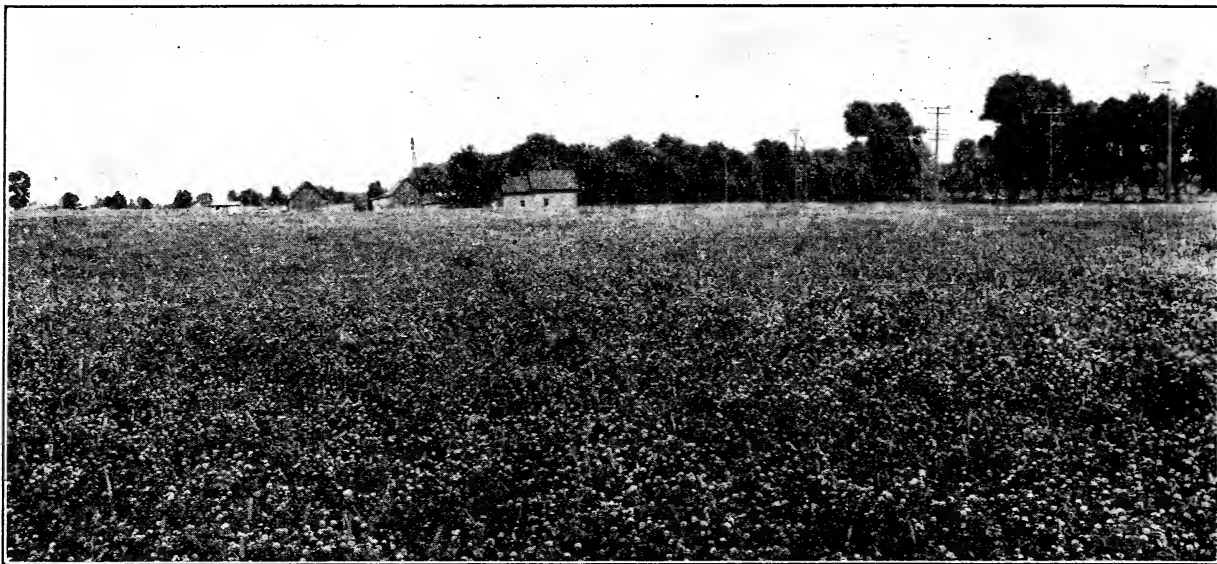
For prices on larger quantities of Seed Corn, see Blue Figure Price List.

*Will say I am well satisfied with seed sent; also on your prompt shipment so whenever I need seed again you will be sure of my patronage. Thank you!*

*Nels Swedin, Foreston, Minn.*

Canada Smut Nose.

# MINNESOTA GROWN CLOVER SEED



Medium Red Clover—The Backbone of Agriculture.

## THIS IS THE CLOVER YEAR

Clover is still conceded to be the backbone of agriculture in the Northwest. For building up the soil and maintaining fertility, or producing profitable hay and forage crops, Clovers cannot be surpassed. Best of all, this is the year to invest in Clover Seed, owing to the present low prices.

Not for many years has good quality Clover been obtainable at such low prices. You will be surprised to note from the blue figure list for how little money highest quality "Master Farmer" Medium Red or Alsike Clover may be obtained. Be sure to note also the various Special Lots on the blue figure list. Every one of these lots represents a real bargain and you can depend on all of them being free from noxious weeds. They are truthfully described and represent the greatest possible value for the money.

For those who grow Clover for seed production, we advise "Master Farmer" quality. However, for those whose aim it is to build up the soil and produce hay crops, the special lots offered will answer every purpose and mean a big saving in seed cost. Samples sent free on request.

## Why There is a Difference in Clover Seed

The severe winters of Northern United States have taught us the importance of sowing only Clover Seed which we know to be of hardy origin, and, what is equally important, to be sure of the purity and germination of the seed we sow.

A few years ago a movement was started by various agricultural agencies to determine the Master Farmers of the Country. A limited number were chosen, after most rigid investigation, and each year will see others added to the list, though all of them must be outstanding farmers of real accomplishment.

We found that in the majority of cases, these Master Farmers were also users of "Farmer Brand" Seeds—that they always bought the very best that money could buy, and as these men have set the pace for the farmers of the country, so have "Farmer Brand" Seeds for the past 42 years taken the lead for quality and dependability among agricultural seeds.

Therefore in keeping abreast with progress, what could be more fitting or proper than to re-name "Farmer Brand" quality seeds "Master Farmer"—in honor of hundreds of Master Farmers who

use them. It is truly a fitting name, as "Master Farmer" stands for all that is best in agriculture, while "Master Farmer" Seeds stand for the highest purity, hardiness, freedom from noxious weeds and strong germination. We point with pride to having maintained such a high standard during the 42 years of our company's history. This high standard was set up long before Seed Laws were enacted, or before it was found necessary to verify the origin of the seeds in order to prevent mixtures with non hardy strains, now frequently sold in unfair competition with our own hardy northern strains.

The Master Farmer tag tells its story—a true checkup on the purity and germination and locality where grown. A true statement of purity and a guarantee of satisfaction to the purchaser, or your money back promptly upon return of the seed.

We never had finer stocks of Clover Seed or lower prices than right now and this is the time to sow your meadows and build up new fertility in the soil, at lowest cost.

## ALSIKE CLOVER

Alsike Clover has the same soil building properties as red clover, storing nitrogen in the soil, thereby increasing the yields of succeeding grain and corn crops from 25 to 50%. It is a true hardy perennial, with fiber instead of tap roots, and is not injured by thawing and freezing.

Alsike can be sown on soil that is slightly acid or sour, where lime cannot be applied, and where other clover or alfalfa will not grow. It can be sown on heavy, wet, or low soil that sometimes becomes waterlogged, and also endures drouth well.

It makes better hay than Red Clover, because of its fine smooth leafy foliage. Its feeding value is nearly equal to that of alfalfa. It produces a thick undergrowth, which makes it the best clover to sow with grains and in mixtures with grasses, for pastures and meadows. It makes very fine pasture, as it is extremely hardy and will stand for years.

The seed of Alsike is very fine, therefore it is more economical to sow, only 7 or 8 pounds per acre being required. As a seed crop, it is often more profitable than Red Clover. It is cut for seed when two-thirds of the heads are ripe.

Alsike Clover has its place in crop rotation the same as Red Clover, but, being a perennial, the fields or meadows can be left for years to produce crops of hay or seed.

Price: Lb. 40c, postpaid.

## WHITE CLOVER

Best for lawns and pastures. White Clover is sown mostly in mixture with other grasses, especially with Blue Grass, for lawns, golf grounds, also for pastures for sheep and cattle. It thrives best in moist soil containing lime and considerable humus, but is also grown on sandy soil which is not too loose and dry. For lawns sow 5 to 6 lbs. mixed with grass seeds, to the acre.

Price: Lb. 50c, 5 lbs. \$2.25, postpaid.

## MEDIUM RED CLOVER

Medium Red Clover fits better into crop rotations than any other legume. It will increase succeeding crops from 25 to 60%, besides furnishing many tons of hay of high protein content. The first crop is usually cut for hay, before it comes into full bloom. The second crop may be cut for hay or seed and the stubble turned under, to fertilize the soil.

Red Clover is a biennial, and will furnish hay and pasture for two seasons only. It is adapted to any well drained soil free from acid, and is better for general Minnesota conditions than any other clover. It furnishes luxuriant pasture and hay for cattle, but is not quite so good for horses.

The most practical way to sow Red Clover is with small grain, sowing it at the rate of 10 lbs. per acre. We use the clover seed attachment to the grain drill, sowing the seed ahead of the drills, and cover it lightly, mostly by the harrow that follows. It is best to sow the grain crop a little thinner if grain is sown alone, as there is danger of the clover being smothered when too heavy a nurse crop is sown. Price: Lb. 40c, postpaid.

## MAMMOTH CLOVER

Extremely hardy, and valuable for fertilizing poor soil which is too low and heavy for growing Red Clover. It makes the best permanent hog pastures, seldom freezing out, and produces a large crop of hay, as much as 3 to 5 tons to the acre. Sow 5 to 6 lbs. per acre, with small grain, for plowing under. For a hay crop, sow 8 to 12 lbs. per acre. Grows on acid soil where Medium Red and Alfalfa fails. Yields again as much as Medium Red Clover, though the hay is rather coarse. Price: Lb. 40c, postpaid.

# SWEET CLOVER

The Great Soil Builder and Forage Crop



Note the dense, heavy growth produced by Grundy County Sweet Clover.

## Sweet Clover as a Soil Builder

Sweet Clover is now a leading crop here in the Northwest. The acreage has been steadily increasing and has now reached the point where every progressive farmer has at least a portion of his land devoted to this valuable crop. As a true biennial legume it fits in with any crop rotation, the same as Red Clover, besides yielding very large returns in the way of hay and pasture.

Sweet Clover is now a necessity if you are handling livestock, especially dairy cattle. It grows on clay, sandy alkaline or gumbo soil. It prevents drifting on shifting sandy soil. A hard pan subsoil is loosened by the heavy penetrating roots, allowing the necessary aeration and depositing large quantities of humus and nitrogen. Sweet Clover is a rank, dense grower of great value in exterminating weeds such as quack grass, thistle, etc. It grows rapidly the second season obtaining a height of 3 to 8 ft. under favorable conditions, depending upon the variety. It puts the land in shape for alfalfa by holding the weeds in check and depositing nitrogen in the soil.

## Sweet Clover as a Hay Crop

For pastures and hay, it is second only to alfalfa. It may grow from 1 to 3 ft. high the first season and may be clipped for hay or pastured lightly as it is not easily injured by tramping of stock. It grows very dense and rapidly during the second year. If it is to be cut for hay, this should be done early in the season before the blossoms appear and the stems become woody. Cut Sweet Clover 5 to 8 in. above the ground as otherwise you will damage the plants and many of them will be killed. Allow the hay to wilt a few hours after cutting, then place upright in small cocks until it is dry enough to stack. Handle carefully to prevent scattering of leaves. Sweet Clover has a great feeding value, containing about 68 per cent protein as compared to 70 per cent in alfalfa and 46 per cent in red clover. One acre furnishes sufficient pasture for 2 to 4 cows throughout the season. Cattle rarely bolt on it. Use 12 to 15 lbs. of scarified seed per acre along with 1½ bushel of oats or ¾ bushel of wheat or sow in spring on fall sown wheat or rye. Firm the seed bed well after seeding which aids germination. Cover 1 to 1½ inches deep. It is absolutely necessary that Sweet Clover be inoculated with Nitragin unless the field previously has been inoculated for sweet clover or alfalfa.

## GRUNDY COUNTY SWEET CLOVER

Grundy County Sweet Clover is preferred by many farmers since it does not grow quite as tall as the common white blossom variety and it produces finer stems and a greater number of leaves, making it better adapted for hay purposes. It matures earlier so that the hay crop can be cut before the small grain is harvested. It produces a seed crop earlier than other varieties and this is an advantage in many localities that are subjected to early frosts. The hay cures more rapidly than the common tall variety and is very palatable. Grundy County Sweet Clover makes an excellent pasture but it does not last as late in the season as the common tall variety. Often 8 to 15 bushels of seed are produced per acre which would net a very excellent return.

Price: Lb. 35c, 5 lbs. \$1.50, postpaid.

We quote prices on small quantities of Sweet Clover, postpaid. For prices on larger quantities, see Blue Figure Price List enclosed. We furnish you with scarified Sweet Clover unless otherwise requested. This insures an even stand.

## WHITE BLOSSOM SWEET CLOVER

This makes the rankest, tallest growth of any clover, producing the biggest hay crops and most luxuriant pastures. Because of its dense growth and the great size of its root system, it is the best soil enricher and green fertilizer. It is the best crop to grow to prepare the ground for a stand of alfalfa. The plant looks much like alfalfa, especially when young, but the leaves are not quite as smooth, and taste slightly bitter. It forms a main stem, from which the side branches grow, while in alfalfa, the crown sends up numerous shoots. It makes even better pasture for cattle than alfalfa because they do not bloat on it.

White Blossom Sweet Clover is cheaper to grow than alfalfa, and fits perfectly into any crop rotation. This is the best strain, and the one most commonly sown, to prepare the ground for alfalfa. It breaks up the soil, and deposits large quantities of nitrogen.

Our seed is of fine quality, free from foul weed seeds, and of highest germination.

Price: Lb., 35c, 5 lbs. \$1.50, postpaid.

## YELLOW BLOSSOM SWEET CLOVER

This variety is dwarfier, finer and more spreading than the white. It makes a very fine quality hay and pasture.

Yellow Blossom Sweet Clover is 10 to 15 days earlier in maturing its seed, and where seasons are very short or unfavorable, there is a decided advantage in sowing this strain. It can be cut for hay very early, and cut close to the ground, whereas the white must be cut high. It is also excellent for bees, supplementing the use of the white variety, and extending the season, on account of its earliness.

Price: Lb. 35c, 5 lbs. \$1.50, postpaid.

## HUBAM ANNUAL SWEET CLOVER

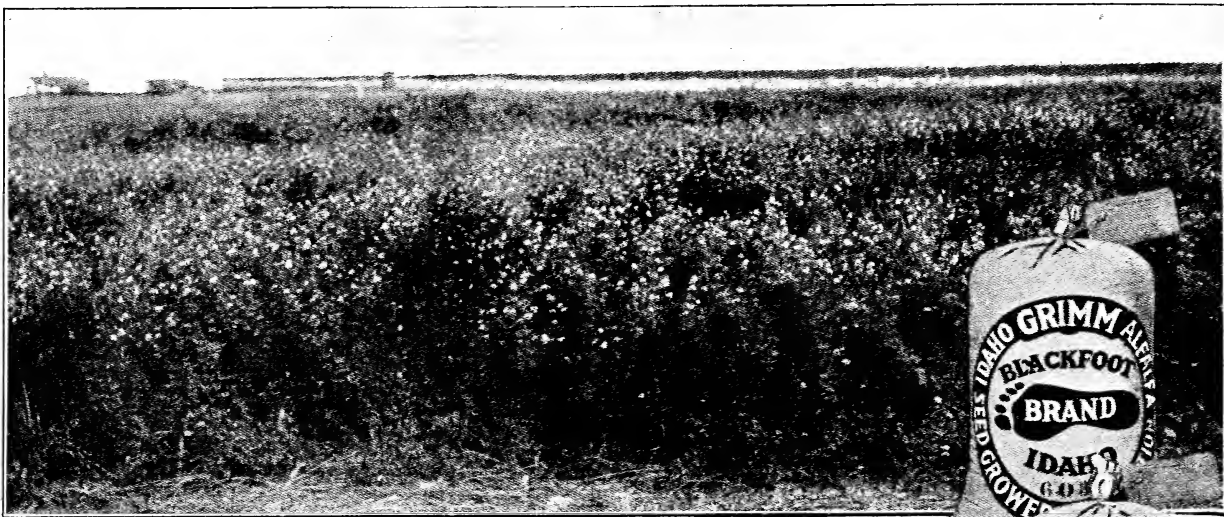
Hubam is an annual legume, the seed of which resembles that of White Clover—Sweetheart of the Northwest, is the title of an interesting and valuable booklet published by the International Harvester Co. We send it free with orders for Sweet Clover, upon request.

Price: Lb., 50c, 5 lbs. \$2.25, postpaid.

### THIS FREE BOOKLET WILL BE OF GREAT HELP.

Sweet Clover—the Sweetheart of the Northwest, is the title of an interesting and valuable booklet published by the International Harvester Co. We send it free with orders for Sweet Clover, upon request.

VALUABLE BULLETINS EVERY FARMER SHOULD READ  
Send to the U. S. Dept. of Agriculture, Washington, D. C.  
These bulletins are free: write for the bulletins you want.  
RED CLOVER, FARMERS' BULLETIN NO. 1389.  
ALSIKE CLOVER, FARMERS' BULLETIN NO. 1151.  
SWEET CLOVER, FARMERS' BULLETIN NO. 836.



A well established field of Grimm will prove a gold mine on any farm.

## ALFALFA—THE WONDER CROP

Alfalfa is one of the oldest known agricultural plants and yet it was only within recent years that the value of this wonderful plant was fully realized. Between ten and twelve million acres are now devoted to Alfalfa in the United States, and even this quantity is only a very small percentage of the number of acres that should be in Alfalfa.

In the Northwest a campaign was started a number of years ago to provide an acre of alfalfa for every dairy cow. This program has been carried out with enthusiasm and there is hope of reaching this goal within a comparatively few years. While the production of seed in 1929 was somewhat greater than the short crop of the previous year, yet there are indications that with the increased demand and lower prices there will not be more than enough seed to go around.

As a seed or cash crop, Alfalfa pays the biggest returns for labor and use of land. As a soil builder, Alfalfa will increase the value of your farm faster than any other crop. Alfalfa contains as much digestible nutrients pound for pound as bran, at a much smaller cost. For dairy cattle, Alfalfa hay, corn fodder and a small amount of ground oats make an ideal ration. For fattening beef cattle, Alfalfa has no equal. 1,000 lbs. of grain will produce 100 lbs. of beef on mature cattle with the ordinary roughages. If good Alfalfa hay is fed with corn, the amount of grain required will be reduced nearly one-half. Statistics show that 776 lbs. of pork will be produced on one acre of Alfalfa. For good pasture results, Alfalfa sown with other grasses will make an ideal feed.

There are numerous varieties of Alfalfa, and others are being introduced each year. Many of them have merit for certain localities, but for the Northwest, Grimm and Cossack are greatly to be desired. Dry Land Alfalfa seed from the Dakotas, Montana and Idaho has proven hardy, especially when it comes from fields 15 to 30 years or more old as our seed does.

### How to Succeed with Alfalfa

**The Soil.** Any soil that produces good crops of small grain, corn, potatoes and clover, is generally suitable for Alfalfa. It must be deep, well drained loam, with an abundance of humus. If the soil is underlaid by hard-pan, the roots can not penetrate, consequently, they stop growing, and soon die out. The ground should be as free from weeds as possible, and should be plowed several months before seeding, with frequent harrowing until seeding time.

**Acid Soil.** Alfalfa will not grow in acid soil. The bacteria on Alfalfa and other legumes draw nitrogen from the air and deposit it in the soil, thereby increasing fertility. If you think your soil contains acid, test it yourself, with Soiltest, listed on page 72, or send a sample of it to the Division of Soils, University Farm, St. Paul, and have a reliable test made, free. On acid soil, spread 1 to 2 tons of pulverized lime or refuse from sugar beet factories, or thoroughly air slaked lime, at least two weeks before sowing.

**The Seed.** Grimm Alfalfa is the best and surest variety for a

permanent stand. Only the hardiest varieties, that will not winter kill, should be sown here in the Northwest.

**Seeding.** Seeding may be done from April 1st to July 1st, also in August. Early seeding is best, as the Alfalfa gets the benefit of the warm spring rains. Sow 1 inch deep on sandy soil,  $\frac{3}{4}$  inch deep on heavy soil, using 12 to 15 lbs. of seed per acre. Early maturing small grain, rye, barley, or wheat, two-thirds as much as is usually sown, may be sown as a nurse crop with Alfalfa.

**Harrowing.** Harrow the field once a year, after the first cutting, with a spring tooth harrow, set 2 inches deep. Harrowing pulls out all shallow rooted weeds and stimulates the growth of Alfalfa.

**Inoculate.** To insure a good stand of Alfalfa, inoculation of the seed is necessary, if the land on which Alfalfa is to be sown has not been in sweet clover previously. Nitragin is the most effective and inexpensive means of inoculating. See pages 71, 79.

### GRIMM ALFALFA—The Hardest Alfalfa Known

Grimm Alfalfa was first introduced into this country by Wendelin Grimm, who brought seed with him to Carver County, Minnesota, from Germany in 1857. It was grown for many years without attracting much attention but Mr. Grimm saved the seed from those plants that did not winter-kill and reseeded his field so that he eventually had a perfect stand. After this variety had been brought to the attention of the Experiment Station officials, it was thoroughly investigated and found to be exceptionally hardy and the new variety was named Grimm by Prof. Hays in 1903. Every field of genuine Grimm Alfalfa is traceable back to this original field of Carver County, Minnesota, so when we offer you Grimm Alfalfa, you can be assured that it is the same hardy type that has persisted for over 70 years in Carver County.

Grimm Alfalfa has more lateral or branching roots than will be found on Common Alfalfa. This characteristic undoubtedly plays a big part in its hardiness, enabling it to withstand soil heaving, freezing and thawing better than many varieties having only one tap root. The blossoms of Grimm are variegated from white to a very dark with yellowish to purple predominating. The growth the first year is to a large extent the development of its root system, but the second season a prolific and rapid growth of the plants above ground takes place, and a large yield of very fine quality hay can be expected.

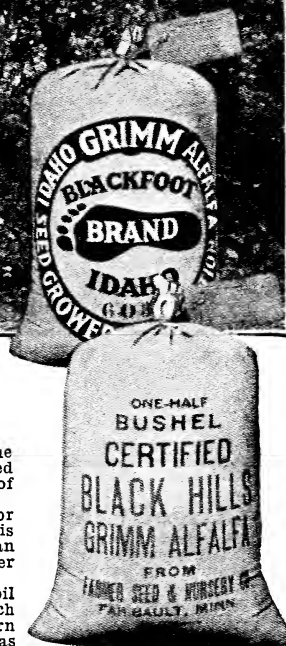
The Grimm Alfalfa is so valuable a variety in the Northwest that whenever possible to secure seed, it should be grown in preference to all others.

**Black Hills Grimm** In Sealed Bags. The Black Hills section of South Dakota is a natural Alfalfa country. We have specialized in Alfalfa seed from this section for many years and consequently have an exceptionally large demand for it. Our seeds come from recognized clean Grimm fields that have had careful inspection. Black Hills Grimm has been definitely proven to be as hardy a strain as exists. A grower's affidavit showing that the seed traces direct to a registered field accompanies each shipment. Price: Per lb. 45c, postpaid.

**Montana Grimm** This strain has proven to be as hardy as any known strain of Grimm. A rigid inspection system is carried on by the Montana State Authorities which gives every assurance to the buyer that the seed is not only genuine Grimm, but will be free from noxious weeds and mixtures of other crops.

**State Sealed and Certified** We offer Red Tag, Grade No. 1 Montana Grimm of 99% purity and high germination, sealed under the supervision of the Montana Department of Agriculture. The tags and seals give you every assurance of its genuineness. Especially desirable in case you intend to register for seed production. Price: Per lb. 60c, postpaid.

**Certified Growers Affidavit** Sealed. This seed is genuine Grimm from fields that are eligible for registration or that are grown from registered seed. Grower's affidavit included with each shipment. Because there is no extra expense for registration, we are able to offer a grower's affidavit strain at a lower figure. Price: Per lb. 50c, postpaid.





# HARDY NORTHERN GROWN ALFALFA

## Blackfoot Grimm

Registered in Sealed Bags. Blackfoot Grimm is a highly dependable strain of Idaho Registered and State Sealed Grimm, put up by the Blackfoot Grimm Growers' Association of Idaho under the supervision of the State authorities. Like all other state certified Alfalfas, it is inspected during the growing season and after the seed is threshed and cleaned, it is sealed under the authority of the State Seed Commissioner of Idaho. We offer Grade No. 1 Red Tag, State Sealed, which gives you the assurance of highest purity, hardness and vitality. Like the Montana Registered strain, Blackfoot Grimm is especially desired if it is your intention to register your fields for seed production. Price: Per lb. 60c, postpaid.

## COSSACK ALFALFA

In Sealed Bags.

Cossack Alfalfa was brought over from Siberia by Prof. Hansen of the South Dakota Experiment Station some years ago. This strain, which was under observance for five years in Russia, during which time not a single plant winter killed, was proven to be absolutely hardy. In recent years, not enough Cossack Alfalfa has been produced to take care of all requirements. With the expected demand this season, it will be well to place your order early as the seed production of Cossack in 1929 was not very great. Cossack Alfalfa seems to withstand intense cold, heat and drought equally well. The flowers, like those of Grimm, have a great range of colors, white, purple, yellow, striped, etc. A certificate of genuineness is sent with each order. We advise sowing 15 lbs. per acre. Price: Per lb. 50c, postpaid.

## DRY LAND ALFALFA

Dry Land Alfalfa is the name given to those varieties that are designated as the Common types. Seed production takes place in the dryer sections of the United States which are peculiarly adapted for such a purpose. These dry regions are subjected to extremes of heat and cold and for a good many days during the winter are not even protected with a covering of snow. Alfalfa varieties grown under such conditions for 15 to 25 years or more without winter killing must be hardy. We list a number of these varieties that are well adapted to Northwest conditions and we can highly recommend them, especially where a short stand of 4 to 5 years is desired.

**Dakota No. 12** This is the most commonly grown variety of Dry Land Alfalfa since it has given the best of results on all types of soil and climatic conditions. Our stocks come from fields that have been in Alfalfa for 25 or 30 years or more and the plants which endure the extremes of hot summers and severe winters and dry, high altitudes are thoroughly hardy. A fairly good crop of seed of this variety was set but because of late rains and early frosts, there will not be an over supply. As Dakota No. 12 is always in great demand, we advise placing your order early so as not to be disappointed. Price: Per lb. 40c, postpaid.

**Montana Common** This strain resembles Dakota No. 12 in hardness, yields and the quality of the hay. The conditions under which it is grown are severe as any found in this country and consequently only those plants that are hardy have been able to survive. We offer you seed from fields that have been growing for many years and we can recommend this variety for Northwest conditions. The early frosts have had a tendency to cut down the yields of Montana Common Alfalfa seed and consequently there will be only a moderate supply available. Price: Per lb. 40c, postpaid.

**Utah Common** The Utah Common Alfalfa Seed that we offer is grown in the mountainous regions between Utah and Idaho and in this climate, conditions are such that all non-hardy plants are eliminated, thus assuring you of a strain that will withstand easily the climatic conditions in the Central United States. The yields of hay from Utah Alfalfa are unusually good and we can recommend it for the hay producing sections of southern Minnesota, southern Wisconsin, Iowa, Nebraska and other states in the Corn Belt. Price: Per lb. 40c, postpaid.

## Northwestern Alfalfa

This is a strain of Alfalfa which can be depended upon for the production of large crops of hay or pasture and has proven to be well adapted, especially in sections where winter killing does not play such a very large part. There is a large demand for this variety throughout the Corn Belt states and in many sections of Minnesota and Wisconsin where there is adequate snow protection. Many farmers grow Northwestern Alfalfa in short rotations (3 to 5 yrs.). Our seed is grown in the older sections of Kansas and Utah. Price: Per lb. 40c, postpaid.

We quote prices on small quantities of Alfalfa postpaid. For prices on larger quantities, please see Blue Figure Price List enclosed.

## Alfalfa Pays Best of all Crops

1. Alfalfa is easier to start than clover.
2. It withstands drought better than clover because of its long penetrating roots.
3. It is the best and most nutritious hay for all live stock.
4. It makes dairying pay better.
5. It also makes good green feed for poultry.
6. It is the best of all soil builders.
7. Alfalfa drains low wet soil.
8. It exterminates weeds, even quack grass, by crowding them out.
9. Good clean alfalfa seed always brings a high price.
10. It is unequalled for hog pastures. Sow in 2 plots and change hogs from one to the other between cuttings. You can raise 3 crops of hay and never miss the alfalfa eaten by the hogs.

## BUY ONLY U. S. VERIFIED SEED

The United States Seed Verification Service gives to the buyer of Alfalfa Seed, proper assurance that such seed was produced where stated on the Verified Origin Seed Certificate attached to each bag. This service was inaugurated by the Government when it was found that unscrupulous seed dealers were substituting strains that were non-hardy, or otherwise unadapted, in place of those that were particularly adapted to certain sections of the country.

The Government has authorized certain seedsmen who meet with the prescribed qualifications to be Verified Origin Dealers. We have been appointed as such and any Alfalfa seed that we send to you will be sealed and tagged, either with the United States Verified Origin Certificate, or with a Certificate of the State authorities in which the seed is grown which the Government recognizes as a Verified Origin Certificate. This will safeguard you so that you can buy Alfalfa seed, knowing that it will positively have been grown in the state so designated on the tag. Remember we are Verified Origin Alfalfa Dealers. Look for the Verified Origin Seed Tag or an authorized State Tag on each bag.

## Inoculation Is Necessary

While it is advisable to inoculate Sweet Clover, Soy Beans, and Red Clover, which produce only one or two crops, it is most important to inoculate Alfalfa, which is intended to produce crops for many years. The expense is only about 25c an acre, for inoculating bacteria.

If the Alfalfa is to be sown on land on which inoculated Sweet Clover has been grown, reinoculation is not necessary.

The nodules on the roots of legumes draw the nitrogen from the air, deposit it in the soil, thereby stimulating the growth of the plants and increasing the fertility of the soil.

Nitragin is the most effective inoculator. The treatment is simple—dissolve the contents of a box of Nitragin in water—dampen the seed with this solution. Dry the seed and plant.

Price of Nitragin for Alfalfa and Sweet Clover:

Size	Not prepaid Postpaid	
¼ bu. ( 15 lbs. seed).....	\$ .40	\$ .45
½ bu. ( 30 lbs. seed).....	.60	.65
1 bu. ( 60 lbs. seed).....	1.00	1.00
5 bu. (300 lbs. seed).....	4.75	4.75

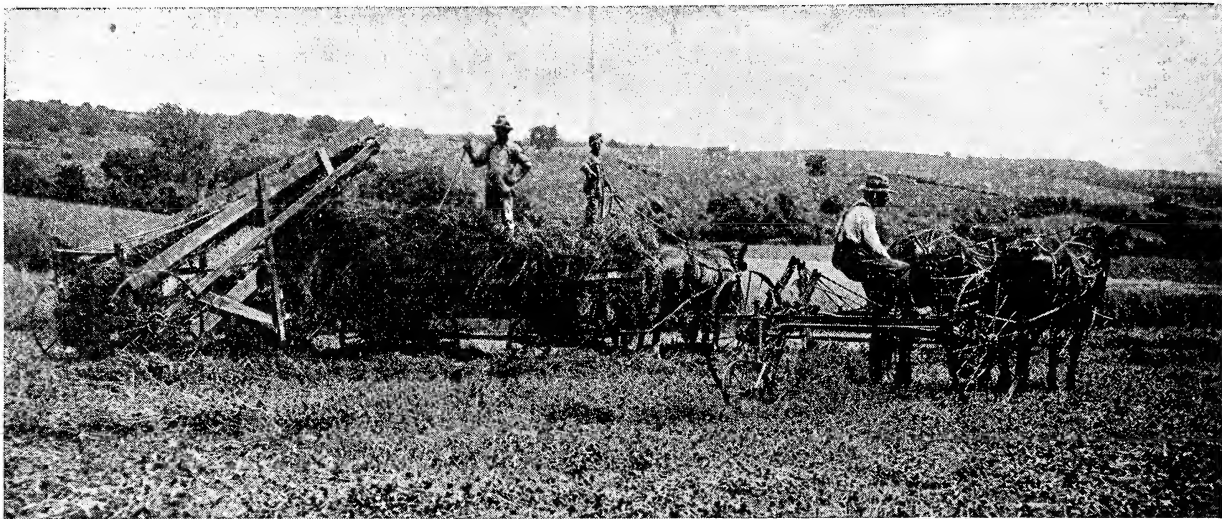
Alfalfa in the Northwest, a practical booklet on Alfalfa culture is free with orders for Alfalfa Seed, if requested.

Samples Free  
on Request



Showing Difference Between Hardy and Non-Hardy Strains of Alfalfa.

# CLOVER-GRASS MIXTURES



A profitable hay crop is always assured with Timothy and Alsike.

## TIMOTHY AND ALSIKE MIXTURE

**Best For Permanent Pastures and Meadows because:**

1. It makes an excellent permanent pasture, for they are both perennial.
2. It may be grown on soil slightly acid, where Red and Sweet Clover or Alfalfa cannot grow.
3. The hay produced is very leafy, of fine quality, and richer in protein than Timothy alone.
4. More tons per acre can be produced.
5. Fertility will be added to the soil through the Alsike and the Timothy will grow much better as a result.
6. The hay can be fed to all kinds of livestock and it is relished by them.
7. Not only will this mixture of forage crops produce well on lowlands with slightly acid soil, but it also makes as good returns on uplands as many other forage crops.
8. Our mixture contains 20 to 25% Alsike which makes an excellent ratio and which produces Timothy and Alsike in the right proportion.
9. Timothy and Alsike Seed Mixtures are often found to be inseparable, and the cost of producing them together is less than if the two kinds of seed were ordered separately and mixed.

Sow about 12 pounds to the acre. Price: Lb. 25c, 5 lbs. \$1.15, postpaid. For prices on larger quantities, see Blue Figure Price List enclosed.

*I received the oats and alfalfa some time ago. I like it fine but I did not think I ordered enough oats so I am sending for more.*

CHARLES RUSSELL, Downing, Wis.

## Test Your Own Soil with Soiltex

Success with alfalfa, clover, sweet clover, soy beans, and other legumes, depends largely upon the condition of your soil. If this contains acid, you can not expect a good stand. You certainly can not afford to sow expensive alfalfa and clover seed on land not fit to produce a good crop.

To correct this acid soil condition, crushed lime rock is usually spread on the land, at the rate of 1½ to 4 tons per acre.

SOILTEX enables you to determine if your soil needs lime, and how much. The test is very simple. A small quantity of soil is placed on waxed paper folded lengthwise, and the Soiltex solution dropped on one end of the soil until it is saturated. After standing a short time, the solution is drawn from the other end of the soil, and its color compared with the color chart, to determine the reaction and lime requirement. Directions with each outfit, and material for 100 tests.

SOILTEX outfits are being used in agricultural colleges, by county agents, extension workers, and farmers.

Price: \$1.00, postpaid.



## PERMANENT PASTURE AND MEADOW MIXTURE

For all soils except low wet ground. To resist the extremes of our cold northern winters and our hot dry summers, and endure the abuse of close pasturing, we offer a special pasture mixture, consisting of hardy, deep rooted grasses and clovers. This will furnish good grazing thruout the season. It consists of Meadow Fescue, Bromus Inermis, English and Western Rye Grass, Timothy, Kentucky Blue Grass, and Alsike and White Clover. Sow at the rate of 25 lbs. per acre. Price: Lb. 45c, prepaid. Not prepaid, 10 lbs. \$2.75, 25 lbs. \$5.75, 50 lbs. \$11.00, 100 lbs. \$21.00.

## PASTURE AND MEADOW MIXTURE FOR LOW WET GROUND

For land that is occasionally overflowed. Only a few grasses withstand overflowing and standing moisture on the soil. We have found the following mixture most satisfactory for this purpose: Red Top, Meadow Foxtail, Bromus Inermis, Timothy, Reed Canary Grass, and Alsike Clover. Sow 20 to 25 lbs. per acre. For top seeding, sow 10 to 15 lbs. per acre. Price: Lb. 45c, prepaid. Not prepaid, 10 lbs. \$2.75, 25 lbs. \$5.75, 50 lbs. \$11.00, 100 lbs. \$21.00.

## PERMANENT HOG PASTURE MIXTURE

Permanent Hog Pasture Mixture contains the following mixed in the right proportion to produce the greatest feeding value:

Alfalfa.	Meadow Fescue.
Orchard Grass.	Western Rye Grass.
Mammoth and Alsike Clover.	Bromus.
Sweet Clover.	Timothy.

This mixture can be sown any time, from early spring until midsummer, and does not require any particular kind of soil, in fact, any soil that produces crops of small grain or corn, will answer the purpose. Because of the large amount of clover and alfalfa it contains, it serves the double purpose of providing the hogs with pasture of high feeding value, and building up the soil at the same time. Sow 25 lbs. per acre. Price: Not prepaid, 25 lbs. \$6.25, 50 lbs. \$12.00, 100 lbs. \$23.00.

## ANNUAL HOG PASTURE MIXTURE

ONE ACRE ENOUGH FOR 40 SPRING PIGS OR 20 OLDER HOGS

This mixture was put up to meet the demand for a pasture that will develop young pigs rapidly, and produce pork at a minimum cost. It contains all the necessary body and bone building elements, and will prove much more economical than the use of corn, grain and mill feed throughout the year. A good pasture of legumes, grasses and grains, will keep hogs in healthy condition, fatten them quickly, so that but little corn is required to finish them off. Our balanced ration mixture consists of the following in the right proportions:

Sweet Clover.	Field Peas.	Rye.	Sudan Grass.
Vetches.	Barley.	Oats.	Dwarf Essex Rape.

One acre of pasture sown to this mixture is sufficient for 30 to 40 spring pigs, and 15 to 20 older hogs. It is best to divide the hog pasture into two parts and change the hogs from one section to the other, about once a week, to give the grains and grasses a chance to recuperate. Sow at the rate of 60 to 85 lbs. per acre.

Price: 25 lbs. \$2.00, 50 lbs. \$3.75, 100 lbs. \$7.00, sacks included.

# HARDY GRASSES

## REED CANARY GRASS (Phalaris Arundinacea.)

Reed Canary Grass recently has gained great popularity due to its being adapted to the types of soil that are unproductive for other crops.

The Farmer Seed Co. introduced Reed Canary Grass as a cultivated crop nearly 25 years ago. In central Minnesota it has been grown for about 15 years. Many of these fields were started from seed purchased from us and they have been giving excellent returns on land that otherwise would not be bringing anything.

Over a period of three or four years, Reed Canary Grass was observed growing in swampy regions in Waseca and Le Sueur Counties. This grass was so outstanding in its performance that steps were taken to obtain seed and distribute it. The demand for this variety has increased greatly and in a very few years Reed Canary Grass will be grown generally throughout the Northwest. Peat and muck soils have shown yields of pasture and hay equal to forage crops harvested from areas on well drained soils.

Reed Canary Grass is a perennial and will continue to live until broken up. The plants are cold resistant, both as seedlings and in the mature stages. If the seed becomes covered up by fresh water, it will grow, but if covered by stagnant water for any length of time, it will be injured. The grass grows rapidly beginning early in the spring. The heads appear about the first week in June and are ripe about four weeks later. The leaves are broad and light green in color and the plants often grow five to six feet in height. Under-ground stems rapidly form a very thick, tough sod and will hold hay making machinery without difficulty.

### How to Grow The Crop

If the land is well drained so that you can prepare a seed bed, do so for on a good seed bed it will not take quite as much seed per acre. If possible, plow in the fall for then you can seed early in the spring. The seed also may be sown in October if there is any difficulty in getting on the field in the spring for it does not germinate until the following spring when sown late in the fall. The seed will germinate in water, but if covered by soil underneath the water, it will not get started until after the water has drained off.

Sow the seed in the spring as early as possible so that the seedlings may become well established before the weeds begin to grow. On very weedy land, seeding may best be done in the last week in June or the first week in July. This allows an opportunity for discing the land in the spring in order to kill the weeds. The seed should be sown at the following rate: Broadcast 5 to 6 lbs. per acre, drilled 2 to 3 lbs. per acre, in 16 to 18 in. rows. A roller can be used to advantage on peat soils after seeding.

Reed Canary Grass will produce an abundance of pasture from early spring until fall. An acre will pasture 3 or 4 dairy cows throughout the season where there is a plentiful supply of moisture. The grass should be kept grazed very close except in the fall. Cut the first crop for hay as soon as the panicles (heads) begin to appear, as the hay contains the highest nutritive value and is finest at this stage. Two or three crops of hay and some fall pasture may be obtained by such a practice. Reed Canary Grass will yield 4 to 6 tons or more per acre.

Price: Lb. \$1.75, 5 lbs. \$7.50, postpaid.

## TIMOTHY

A hardy perennial, resisting both cold and drought. It is best adapted for sowing with clovers, which supply nitrogen and increase the vigor of the Timothy. It may also be sown in spring, with a nurse crop of grain. The soil must be well pulverized and the seed lightly covered. Timothy has shallow, fibrous roots, and increases by multiplication of bulbs, which store food for future growth. If it is cut too early, or if the meadow is pastured after the hay is cut in fall, these bulbs are weakened and the stand decreases.

Timothy makes good nutritious hay that is easily cured. It produces from 1½ to 3 tons of hay per acre. It should be cut at flowering time. Sow 15 to 20 lbs. per acre alone; with clover, sow 10 to 12 lbs. Price: Lb. 30c, 5 lbs. \$1.25, postpaid.

## BROMUS INERMIS

Bromus Inermis is a vigorous hardy perennial, with strong creeping roots. It is especially valuable for poor, dry soil, for hay and pasture, as it withstands heat, drought, and cold, outyielding most other grasses. It is useful for sowing on steep hillsides, terraces, and levees, as it forms a very firm sod and keeps the soil from being washed away. The roots push thru the soil and form new plants on every side. It makes an early growth, 2 or 3 weeks before any other grass, and remains green and succulent until November, and stands the closest cropping without injury. It is good to use on moist low ground that is flooded at times.

It grows 3 to 4 feet high, yielding enormous crops of excellent hay, 2 to 4 tons per acre. The best hay is cut while the grass is in full bloom. It is also a profitable seed crop.

Bromus Inermis should be sown at the rate of 25 to 30 lbs. per acre, with two-thirds the usual quantity of small grain. It may also be sown with winter grain.

Price: Lb. 30c, 5 lbs. \$1.25, postpaid.

## ORCHARD GRASS

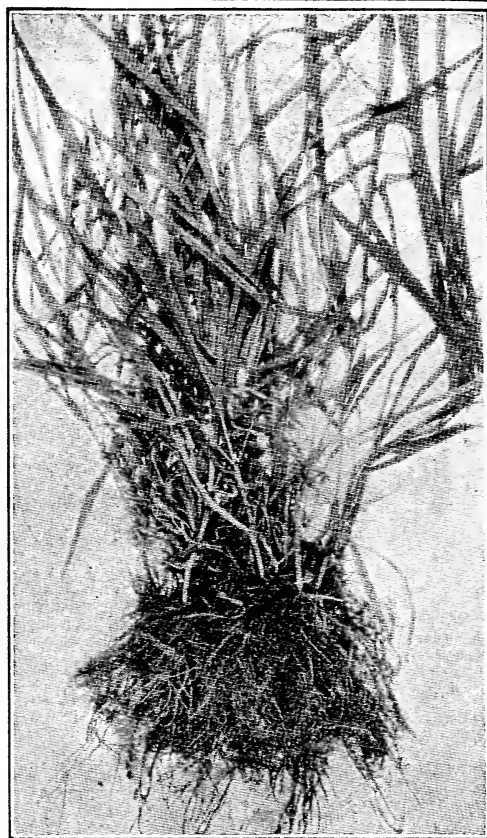
A coarse tufted perennial grass that will stand more shade than any other tame hay grass. Excellent for hay when cut young, but matured grass is tough. Noted for its earliness and stooing qualities, and good for shady places, orchards, and groves. Also most valuable in pasture mixtures on account of its leafy undergrowth.

Price: Lb. 35c, 5 lbs. \$1.50, postpaid.

## ITALIAN RYE GRASS

A valuable grass for moist soil, well adapted for pastures and meadows, either alone or in mixtures, as it makes strong growth early in spring. It is good as a catch crop where Clover has winter-killed. If sown alone, use 20 to 30 lbs. per acre; with Red Clover sow 10 to 15 lbs. per acre.

Price: Lb. 30c, 5 lbs. \$1.40, postpaid.



Reed Canary Grass—The Wet-Soil Hay Crop.

## KENTUCKY BLUE GRASS

This famous grass does well almost everywhere, if the soil is fairly rich, moist, and moderately well drained, or there is lime present in the soil. It requires about 2 years to become well established.

Kentucky Blue Grass will last for many years, as the plants spread from underground roots, and rarely needs reseeding. It withstands hard wear, remarkably well, forming a firm, tough sod.

Kentucky Blue Grass should be sown as early as possible, to give it a good start before weeds spring up. Blue Grass is the best of all grasses for lawns, golf courses and parks.

When sown alone, use 35 to 40 lbs. per acre.

Price: Lb. 60c, 5 lbs. \$2.85, postpaid.

## CREEPING BENT GRASS

This grass makes a fine dense firm turf which withstands hard usage; it is ideal for lawn, terraces, and putting greens on golf courses because it makes a compact sod due to its spreading habit. It makes rapid growth in a year crowding out other grasses. Our seed is true to name and of finest quality. Sow 3 to 4 lbs. per 1,000 square feet. Price: Lb. \$1.15, postpaid.

## RED TOP

A hardy perennial grass, found almost everywhere, but predominating on low, marshy ground, where it forms luxuriant growth. It grows 2 to 5 ft. high, depending on soil and climatic conditions, with creeping roots, which enable it to grow on very wet and even very dry soil where other grasses grow but sparsely. It makes good pasture, and fair hay, if cut early, but the matured plants are wiry and coarse. It is best grown with other grasses and clover.

Price: Lb. 55c, 5 lbs. \$2.50, postpaid.

## ENGLISH RYE GRASS

Well adapted for lawns, pastures, and meadows, as it endures close cropping and makes a dense leafy undergrowth. Grows best in moderately rich soil, altho it thrives almost anywhere, and grows rapidly. This should be grown in mixture with other grasses. Sow 20 to 30 lbs. per acre. Price: Lb. 35c, 5 lbs. \$1.50, postpaid.

## MEADOW FESCUE

This hardy western grass should always be included in pasture and meadow mixtures. It stands more abuse such as close cropping, drought, and unfavorable soil and climatic conditions, than Timothy and most other grasses. It succeeds even in poor soil, as the roots penetrate from 12 to 15 inches.

Meadow Fescue grows 2 to 3 feet high, and produces a very leafy undergrowth. In sowing alone, use 20 to 25 pounds per acre.

Price: Lb. 30c, 5 lbs. \$1.40, postpaid.

# QUALITY SEED GRAIN



Ceres Made the Greatest Yields and Biggest Profits of Any Variety in 1929.

## NEW DEVELOPMENTS IN GRAIN BREEDING

From year to year we have endeavored to supply you with proven varieties of seed grains. We have advised you to buy with confidence, feeling sure that you would benefit greatly. From the many letters coming to us daily, we feel that we have not over-rated any variety. It is a pleasure to know that our customers, old and new, are finding complete satisfaction and we can therefore present our offerings this season knowing that they will be just as acceptable.

### CERES RUST RESISTANT WHEAT

The results obtained from growing Ceres Wheat indicate that it is a very satisfactory variety and that it will gain in popularity in the years to come. While it does not measure up to Hope wheat, yet it surpasses all other varieties and may be obtained in quantity.

Ceres is the bearded, rust resistant variety, developed by the North Dakota Experiment Station and is not only adapted to North Dakota and Minnesota, but is especially recommended for that portion of the Corn Belt that raises spring wheat (includes southern Minnesota, Wisconsin, South Dakota, Iowa, northern Illinois). Through its rust resistance Ceres is able to produce yields of 25 to 35 bushels per acre in years when rust is severe while yields of other varieties amount to only 4 to 12 bushels per acre.

The milling quality of Ceres Wheat is equally as good as that of Marquis. The appearance of Ceres in the field was so pleasing that people came from all over to see and admire this wonderful variety. The field was uniform in height, the plants a beautiful golden color with large heads and 3 to 4 plump kernels in each spikelet.

Here is a little tip how to get the greatest yields from rust resistant wheat varieties. Our growers use a short rotation, as follows:

First year, a full seeding of Ceres Wheat together with 8 pounds of sweet clover. Second year, corn. After the wheat is harvested, the sweet clover is allowed to grow and is cut for hay in the fall. The following spring it is plowed under in time for corn planting and corn seeded. The rotation is then started over again the next year. Try this with Ceres and Hope wheats for a few years and note the results.

### MINDUM DURUM WHEAT

Minnesota No. 470

Mindum Durum is the best yielding variety now being grown. It is a macaroni wheat of amber color, developed by the Minnesota Experiment Station, and is highly rust resistant. It is the outstanding durum variety, being well adapted to northwestern conditions, and is on the recommended list of the Minnesota Crop Improvement Association.

Mindum Durum should be planted on about one-tenth of the wheat acreage only, as the demand for it is limited. Since it is an amber colored durum, it brings a premium over the red durums on the market.

On the following pages some of the outstanding new varieties to be found are Hope Wheat, Glabron Barley, Iogold Oats. These varieties are in great demand and the supply especially of Hope Wheat and Glabron Barley will not last very long as it is very limited. Full descriptions of the best in grain varieties follow. Practically all of them have been certified by the Minnesota Crop Improvement Association.

### MARQUIS WHEAT

For many years, Marquis Wheat has ranked first, here in the Northwest, as the most satisfactory hard red spring wheat known. It has won more championship prizes than any other wheat.

Marquis was originated in Canada. It is the result of a cross between a hard red wheat from India, and Red Fife. Like many hybrids, Marquis shows a tendency to revert to the parent types. Constant reselection must be kept up to maintain purity of stocks.

This variety produces slender beardless heads, three to four inches long. The chaff is yellowish and smooth; kernels are short and plump with a deep crease, and dark red in color. The straw is stiff and short and stands up well. It does not lodge or shatter easily.

Marquis Wheat has produced the biggest crops of any hard red spring wheat. It is extremely early, ripening in about 115 days, which is 3 to 5 days ahead of any other Fife Wheat. It is quite immune to extreme drought and early frosts. In milling quality, Marquis is superior to most other wheat.

Price on wheat, except Hope: Lb. 25c, 3 lbs. 60c, postpaid.  
For larger quantities, see Blue Figure Price List. Samples free.

### SPRING RYE

Spring Rye should be sown more extensively. It is a great land cleaner, and for summer pasture, is much superior to winter rye. It can be grown on light and sandy soil, on land too poor for wheat, and does equally well on acid and non-acid soils.

There is not a better general utility crop than Spring Rye. It is sure to produce a good crop of grain or hay, that is rich and nourishing to all kinds of livestock. It is one of the best nurse crops to sow with clover, as it can be harvested so early in the season. It makes splendid pasture, furnishing early green feed.

Price: See Blue Figure Price List.

*Received the order of oats and clover seed in fine shape and am very well pleased with the seed. I think it is better looking seed than can be bought anywhere and for a little less money.*

G. E. HARMAN, Hastings, Iowa.

## DUST SEED WHEAT TO PREVENT SMUT

### Corona Coppercarb

This is a good method of treating wheat and rye to prevent or control smut. Dusting does not injure the seed, and can be done during the winter, before seeding starts. Corona Coppercarb is cheap; a 2 lb. package costing 50c is enough to treat 8 or 12 bushels of wheat. Order it with your grain; it is poison and cannot be mailed. Price: 2 lbs. 50c, 5 lbs. \$1.00, not prepaid.

### Ceresan

This substance may be used not only for treating wheat, but also for oats, rye, and barley as well. It is easy to handle. For wheat use 2 ounces of Ceresan per bushel. Circular giving full details will be sent free upon request.

Price: 8 oz. tin 50c, 1 lb. tin 75c, 5 lb. tin \$3.00, 25 lb. pail \$12.50. Cannot be mailed.



# "HOPE WHEAT" THE LIFE SAVER OF THE RUST RIDDEN WHEAT BELT



Inspecting Hope Wheat on our Faribault Experimental Grounds

How many growers have had to swallow the bitter pill of a wheat crop failure, and with new hope for better luck, have tried again, only to suffer another disappointment. Do you wonder then why the few dozen farmers who first were privileged to test Hope Wheat hailed plant breeder McFadden as the savior of the wheat farmer and suggested erecting a monument in his honor?

## The Story of Hope Wheat Reads Like a Fairy Tale

When it seemed impossible to safely grow good bread wheats in the Dakotas and farmers had to be content with growing the lower priced Durums, a young plant breeder named McFadden of Webster, South Dakota, decided something should be done about it. For 16 years he worked single handed, financing his own experiments, trying hundreds of crosses, and out of a total of over 1,500 crosses, he developed one particular cross with the following outstanding characteristics—

Practically immune to black stem and leaf rust  
Highly resistant to stinking and loose smut  
Highly resistant to drought  
Good strong stalks—non shattering heads  
Especially suited for combine harvesting  
Very high protein and gluten content.

Hope Wheat was developed from a cross between Emmer or Speltz and a pedigreed strain of the famous Canadian Marquis. It combines all of the desirable qualities of the Emmer parent—mainly, stiff straw, resistance to drought, heat, rust and smut. In other words, it is a Marquis Wheat on Emmer straw. It will resist shattering by wind and hail and is especially suited for combine harvesting, now largely practiced in the Northwest.

Hope Wheat is a bearded variety and to determine its adaptability to various soils, and climatic conditions, limited quantities have been tried out by farmers scattered throughout the entire Northwest. The reports received from these growers clearly indicate that Hope Wheat is universally adapted to the spring wheat section and sincerely welcomed by the growers, all of whom are anxious to secure additional seed for planting.

ASK FOR REPORTS  
FROM DOZENS OF  
GROWERS IN ALL  
PARTS OF THE N.W.

## Make Sure of Securing The Originator's Strain of Hope Wheat

We have been designated exclusive distributors of the originator's strain of Hope Wheat. It comes to you in sealed bags with the originator's certificate attached. In order to give Hope Wheat the widest distribution, sales are limited to two bushels per customer and we can accept orders only while our supply holds out. Money will be refunded promptly if sold out and for the convenience of customers, we will hold up to two bushels for later shipment, upon payment of \$5.00, to apply—balance payable when shipment is to be made, or not later than March 1st.

Milling reports of Hope Wheat grown in South Dakota and Minnesota, made by the King Milling Co. of Minneapolis and Faribault, are as follows:

	Protein	Gluten
Minn. Hope Wheat	15.10%	14.00%
S. D. Lot 1 Hope Wheat	15.00%	13.60%
S. D. Lot 2 Hope Wheat	14.50%	13.35%
S. D. Lot 4 Hope Wheat	17.10%	15.60%

## Hope Wheat



PRICE PER BU.  
F. O. B. Faribault..... \$16.00  
LIMIT, 2 BU. PER CUSTOMER.

## WHAT IS MOST IMPORTANT

Not only is Hope Wheat resistant to the various diseases mentioned above, and a consistent yielder, but best of all it is of highest milling and baking qualities. We have had repeated protein and gluten tests made of Hope Wheat—not only Rice County grown seed, but seed from various sections of the Northwest. Out of six or more different tests made, not one report showed less than 14 per cent protein, and as high as 17.10 per cent, while gluten test was 13 per cent to 15.60 per cent, and reported as good and elastic. This means that Hope Wheat will command the highest market price in the bread wheat class. It will mean millions of additional dollars to the wheat farmers in the Northwest when sufficient seed is available to give all an opportunity of benefiting by this wonderful variety.

## ORDER EARLY—Seed Supply Limited

When the merits of Hope Wheat become fully known, it will not be a question of price, but a question of ability to secure seed.

As exclusive distributors of the originator's own seed stock, we offer genuine Hope Wheat in sealed bags; as long as our supply holds out, we offer it at \$16.00 per bushel, with a two bushel limit per customer—f. o. b. Faribault.

Owing to the heavy stooling qualities of Hope Wheat, only three-fourths to one bushel of seed is required per acre.

Only a limited amount of seed was offered last season, in one ounce quantities at \$1.00 per ounce. All who tried Hope Wheat are anxious to secure additional seed for next year's planting, and from present indications, our limited supply of seed will be exhausted long before planting time.

We urge you therefore to place your orders at once—be among the first to benefit by this new variety, as all that can be produced for some time to come will be required for seed purposes.

We reserve the right to withdraw the above offer at any time and will refund money when our seed supply is sold.

Prices, small quantities: Lb. \$1.00, 5 lbs. \$4.00, 15 lbs. \$8.00, prepaid.

# SELECT SEED OATS



Farmers Came for Miles Around to Inspect This Wonderful Field of Iogold Oats.

## **IOGOLD RUST RESISTANT OATS**

### **Certified**

The necessary requirements for any variety of grain are yield, stiffness of straw (resistance to lodging), rust resistance and early maturity. Iogold Oats includes all of these which makes it such an outstanding variety.

The development of Iogold Oats by the Iowa Agricultural Experiment Station has taken many years. A single plant which differed from the others was selected in 1906 at Iowa City, Iowa, from a plot of Kherson Oats. Until 1925 it was grown in small plots under close supervision so that the characters might be carefully studied when it was increased under field conditions and compared with other varieties. It proved superior to all other varieties so that in 1925 and 1926 it was increased and distributed to farmers for growing in comparison with the varieties they were already using.

The yields reported in 1929 are from 80 bushels to 115 bushels or more per acre. We have a good supply of the highest quality certified seed.

Iogold Oats produces heads that are spreading, erect, cream colored and very uniform. The kernels are golden yellow and larger than Iowa No. 105. The straw is coarser than Kherson and is stiffer than any other variety produced by the Iowa Experiment Station. The plants grow about three inches taller than Iowa No. 105 and ripen about the same time and are a few days earlier than Iowar.

### **GOPHER OATS**

#### **Minnesota No. 674—Certified**

Gopher is a white, early maturing variety with straw so stiff and strong that it does not lodge even on well manured farm land. It is also adapted for growing on peat land. It is without any question the best oats for the rich dairy farms of southern Minnesota, Iowa and Wisconsin and unequalled for sowing with clover and alfalfa as a nurse crop.

This variety was developed by the Minnesota Experiment Station and has become widespread throughout the Northwest. Excellent reports not only from Minnesota but from North and South Dakota, Wisconsin and Iowa show that Gopher is still leading in yield, earliness and stiffness of straw. Our growers report 75 to 100 bushels per acre of plump, bright grain.

The oat crop in many sections was either very light or damaged by too much rain at harvest and the demand for seed will be quite great. Our stocks of high quality certified seed oats are reasonably large, especially the Gopher variety but with the strong demand may not last long.

### **EARLY MINNESOTA WHITE OATS**

This excellent variety was in great demand last season and as a result, our stocks were quickly sold. It matured about the same time as Gopher and yielded 75 to 80 bushels per acre. The straw is stiff and the plants grow taller than other early varieties. The seed contains a small amount of barley but this does not lower the value of this variety for feeding purposes; and for seed a small amount of roguing out should eliminate the barley. Order early as the demand again will be strong.

We can not emphasize this variety of oats too strongly. In order to fully appreciate Early Minnesota White Oats you should grow a few acres and we feel sure that you will continue to sow it each year.

Prices on All Seed Oats: Lb. 25c, postpaid. For prices on larger quantities, see Blue Figure Price List.

*We have raised your Gopher Oats for two years and this year we got a yield of 120 bu. per acre, so we want to continue getting your seed.*

*In regard to your Timothy and Alsike Mixture, we find it free from foul seeds and surely produces a good hay crop.*

Marsteen Bros., R. 6, Mankato, Minn.

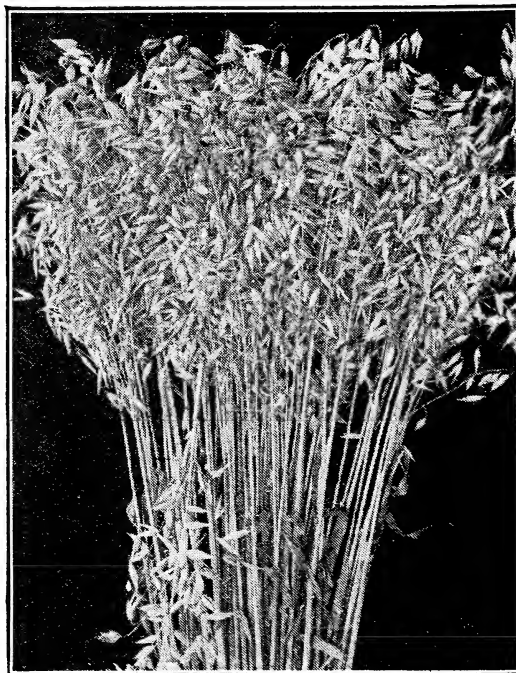
## **IOWA NO. 105 OATS Certified**

This variety was produced at the Iowa Agricultural College, at Ames, Iowa. It is very early, fine to use as a nurse crop, and is a heavy yielder.

The kernels are of medium size, light yellow, plump and heavy. The oats grow about 4 inches taller than Kherson, with stiff straw that holds up its heavy load of plump grain well. It will grow without lodging, on heavy bottom land where it is impossible to sow many other varieties.

### **EARLY KHERSON OATS**

One of the earliest oats in cultivation. It was introduced by the Experiment Station of Nebraska, and has proved a success in that state, being naturally adapted to sections that are subject to drought. It is a vigorous but not rank grower, producing shorter straw than other varieties, with branching heads and very broad leaves. The berries are light yellow in color, small, but numerous, and have a very thin hull.



Early Minn. White Oats, a record maker.

# SELECT SEED OATS



Roosevelt Oats—Always stands up well and produces big yields.

## SWEDISH SELECT OATS

### Improved Strain—Wis. No. 5 Certified

This strain of Swedish Select oats was developed by the Wisconsin Experiment Station from the old Swedish Select varieties. It is a very high yielding, plump, white oat with a larger kernel than Wis. No. 1.

The straw is of good stiffness and grows quite tall. Very satisfactory results are obtained on the lighter sandy soils of the Northwest and the threshed oats weigh 36 to 40 lbs. or more per measured bushel. Prof. Moore said of Swedish Select Oats:

"We have found it most satisfactory of all varieties tested. On the experimental plots, the oats yielded exceptionally well. This variety seems especially adapted to high, well drained lands."

## Seed Disinfection To Prevent Smut

All seed grain, wheat, barley and oats are susceptible to smuts of various kinds, which reduce the yields from 10 to 50 per cent, in many instances. Some varieties are attacked more vigorously than others, but no matter how severe the attack, smut can be controlled almost entirely, by simple methods.

Grains with hulls, such as oats and barley, may be treated for smut with formaldehyde, 1 pint to 40 gallons of water. The seed is put loosely into burlap sacks, and dipped into a barrel containing the solution. Any druggist can supply formaldehyde.



## HARDY FLAX VARIETIES

Flax is a crop of great importance. Not only is the seed utilized, but the straw is made into rugs, building material, etc. In the past, flax was considered more of a catch crop, to be planted after everything else was sown.

Most farmers make the mistake of planting their flax late, after other crops are sown. To obtain large crops of high quality flax:

1. Sow early, from middle of April to first part of May. The earlier flax is sown, the better able the plant will be to withstand wilt.
2. Sow wilt and rust resistant strains of flax.

**BISON**—This variety comes from the North Dakota Experiment Station. It is a large seeded variety and is both rust and wilt resistant. It is now very popular in the Dakotas and Minnesota and will quickly replace many other varieties now being grown in the Northwest. Supply is quite limited.

**BUDA**—(N. D. No. 119.) Developed at the North Dakota Experiment Station by selecting wilt resistant plants from a Russian variety. It is resistant to wilt and more rust resistant than any other variety that we list. It grows taller than Winona and matures a few days later. Buda has yielded the highest per acre over a period of five years at Morris and Crookston Experiment Stations. Recommended for use especially in Western Minnesota, North and South Dakota and Montana. Supply is limited.

**WINONA**—(Minn. No. 182.) This variety is widely distributed and is highly resistant to wilt. It has moderately long stems, small blue flowers, small brown seeds and is very productive.

**MINNESOTA NO. 25**—This is a commonly grown variety which is very productive on soils free from wilt.

Prices: See Blue Figure Price List.

## ROOSEVELT OATS

This is a medium early variety that we can recommend on account of its hardiness and productiveness. Because of its strong root development, it produces healthy, vigorous and stiff strawed plants of medium height, with well branched heads. It does not seem particular as to soil or climate, withstanding heat, drought, cold and wet, poor soil and neglected cultivation better than most oats. The grain is very large, plump and white, often weighing 42 pounds per measured bushel.

Since our introduction of this variety, we have never been able to obtain sufficient high quality seed to meet the demands of our customers who realized from the start that Roosevelt Oats was destined to be an outstanding mid-season variety.

**THE NEWEST AND BEST TREATMENT IS CERESAN.** This is a dust and is much more effective and easier to handle than formaldehyde. It can be depended upon to control smut in oats without lowering the germination. It is very economical to use, 3 ounces per bushel being sufficient. Price of Ceresan: 8 oz. tin 50c, 1 lb. tin 75c, 5 lb. tin \$3.00, 25 lb. pail \$12.50. Cannot be mailed.

Write for circular giving full details about Ceresan. The covered smuts that affect wheat, hullless barley and rye can be controlled by dusting the grain with Corona Coppercarb. Only 2 to 3 ounces per bushel are required. The germination of the seed is stimulated and the seed is in no way injured. This is the very best kind of crop insurance. Full directions with each package. Price of Corona Coppercarb: 2 lb. pkg. 50c, 5 lb. pkg. \$1.00. Cannot be mailed, order with your grain.

## SPELTZ OR EMMER

A valuable grain belonging to the wheat family. Kernels are tightly enclosed in hulls which adhere at threshing. Speltz has a feeding value equal to oats, and only slightly less than barley and corn. It is extremely rust resistant, and will not lodge like other grains, because of its stiff heavy straw. Speltz can be grown on many kinds of soil, rich or poor, throughout Minnesota, Iowa, Wisconsin, and the Dakotas.

Speltz makes wonderful feed and is especially fine for hogs and poultry.

Sow  $1\frac{1}{2}$  to 2 bushels per acre, and adjust the drill the same as for sowing oats.

Price: See Blue Figure Price List.

## BUCKWHEAT

Buckwheat makes an excellent catch crop, or it may be sown after harvesting winter wheat or rye. It is also good to sow on newly broken ground, but its greatest value lies in the fact that it is the best and surest means of getting rid of quack grass.

**JAPANESE**—Large kernelled, dark brown, and early. It is very productive, and an excellent feed for cattle and hogs. Sow from June 1 to July 1, at the rate of 3 pecks to the acre.

**SILVER HULL**—A popular thin shelled buckwheat, with silvery grey kernels of medium size, very sound. Silver Hull is a prolific grower and heavy yielder, and makes first class buckwheat flour. Excellent for bees.

**MIXED BUCKWHEAT**—For a cheap catch crop; also makes excellent feed.

Prices: See Blue Figure Price List.

# NORTHERN GROWN SEED BARLEY



Velvet Barley—Smooth Bearded and Heavy Yielding.

## GLABRON BARLEY

Minnesota No. 445—Certified

The plant breeders of the country are striving at all times to give the farmers new varieties of merit. This is especially true at the Minnesota Experiment Station where the most able plant breeders of the country have given you Manchuria (Minn. No. 184) and Velvet (Minn. No. 447) Barleys among other varieties. Now we are able to offer you for the first time, their newest barley origination known as Glabron Barley.

Glabron is the result of a cross between Smooth Awn and Manchuria. It is smooth bearded, making it very easy to handle, and the beards thresh clean. With a straw much stiffer than that of most other varieties, it will withstand lodging. It grows slightly taller than Velvet, produces a larger kernel, and yield data show that it will outyield consistently all other varieties. It can be successfully grown throughout the northern half of the country from the Dakotas and Nebraska east to the Atlantic Ocean, also in many localities in the Great Plains area where the rainfall is sufficient.

Glabron is being generally distributed this year. We are one of the few seed houses offering this seed, and owing to the large demand and the limited supply, we urge you to place your orders early.

## NEW ERA BARLEY—Certified

New Era Barley was developed by E. S. McFadden (the originator of Hope Wheat) by crossing the common white hullless variety with Manchuria (Minnesota No. 184) which for years was the outstanding barley. New Era Barley is bearded like Manchuria, but the beards and hulls drop off when threshed leaving naked white kernels. The yields of New Era are equal to those of Manchuria which ranks as one of the highest yielding varieties.

New Era was one of the few varieties that produced a good crop in the drought stricken areas of North and South Dakota during the season of 1929. Its drought resistant qualities make it ideal for the lighter types of soil and the dryer areas of the Northwest. It also does exceptionally well in areas of greater rainfall and on heavier richer soils.

New Era has a greater feeding value than most varieties with hulls because the kernel is hullless.

## WHITE HULLESS BARLEY

This strain is both hullless and beardless and is liked by many growers on that account. It is grown largely in Montana and the Dakotas and to quite an extent in Minnesota, Iowa and Wisconsin.

## MINNESOTA No. 184 BARLEY

Improved Manchuria Certified

Minnesota No. 184 Barley has for years been the most popular variety grown in the Northwest. It has yielded better than most other varieties which accounts for its widespread distribution. This barley is a six rowed type and was originated through selection from Manchuria which is quite similar in all of its characteristics with the exception that it does not yield quite as much as Minnesota No. 184 variety. The kernels are plump and large and of excellent quality, remaining bright in color for a long time. This variety matures very uniformly, has a straw that will stand up very well on rich soil and grows tall enough to be harvested without difficulty. The yields range from 60 to 75 bu. or more per acre on good soil.

## VELVET BARLEY

Minnesota No. 477—Certified

The interest in Velvet Barley has been steadily increasing each year since its introduction. If you have not yet tried this most excellent variety, we suggest that you get started with it this year for it is a type of barley that will eventually replace most other varieties now being grown.

Velvet originated in a cross between Luth, a rough awn six rowed barley of the Manchurian type and a smooth awn variety. It is a most excellent yielder, producing as much grain as Minnesota No. 184. The straw is quite stiff, the lodging percentage being no greater than that of our stiffest strawed varieties. Velvet appears to be more disease resistant than other varieties. This variety with its smooth beards or awns has a very distinct advantage over the rough awned type since it has no barbs that will stick in the clothing or dig into the flesh, therefore can be handled much more easily.

We have many excellent reports from all over the North Central and Northwest sections of the United States. Last year a large number of cars of Velvet Barley were shipped into Iowa, Illinois, Indiana, Ohio and even Pennsylvania and already we are getting inquiries on carlot shipments into these sections and also other states.

Once you try this smooth bearded variety, you will not want to change back to the rough type. All of our Velvet Barley seed has been certified by the Minnesota Crop Improvement Association and can be certified next season.

## SUCCESS BEARDLESS BARLEY

This is a six-rowed variety and is beardless. It is a good producer especially on light to medium soils. Because it has no beards and is handled with ease, Success Beardless is grown to quite an extent. A good crop of Beardless Barley can be raised on land too poor to produce a crop of wheat and oats.

The new varieties of certified seed grains can always be depended upon to show a real profit to growers.

Prices quoted on our Blue Figure List are good to Feb. 1st, after which ask for new price list.





# SOY BEANS

## Valuable as a Catch Crop, and for Enriching the Soil

1. Soy Beans are easy to grow, and are especially valuable for soil too poor or acid for other legumes.
2. They withstand both drought and rain well, and are not easily damaged by moisture.
3. They make a good emergency crop, as they can be sown late, after other crops fail or are washed out.
4. They deposit large quantities of nitrogen in the soil, building up poor land on which clover or alfalfa can not be grown.

## Most Important as a Feed and Ensilage Crop

1. Soy Beans, as a hay crop, are higher in protein content than clover hay, or field peas and oats mixed. For dairy cattle, the hay is equal to alfalfa hay.
2. They make wonderful ensilage, when grown with corn, and are also used for hog pasture.
3. They take the place of oilmeal, and are even more palatable and digestible.

**CULTURE.** Soy Beans require about the same treatment as corn, and will grow on almost any kind of soil, shallow peat or sandy loam, and even ground containing too much alkali for corn. Do not plant Soy Beans too early, about corn planting time is right. Sow in drills or broadcast. Drilling in rows 28 to 30 inches apart is usually best, as the rows can be cultivated and kept free from weeds.

The seed crop is quite profitable. The seeds broken or split in threshing can be fed to live stock. For seed, the Soy Beans should be cut with a grain binder, while the dew is still on them, so they will not shatter. They can be threshed without much curing, if the seed is spread out so it can not sprout in the bins.

**MANCHU**—Manchu takes the lead among Soy Beans for all purposes —for hogging down as well as for planting with corn for the silo. It also produces a large crop of beans, if allowed to mature, 20 to 30 bushels per acre being a good average crop. The Manchu is a robust grower of vines which stand up well and are easily cut with the corn binder. This variety matures in 105 to 110 days and is suited for the southern half of Minnesota, Wisconsin, South Dakota, and all sections farther south. Our stock of the Manchu is Iowa and Minnesota grown. Beans are yellow and of medium size.

**WISCONSIN EARLY BLACK**—An extremely early sort, black seeded, and well adapted for planting in the Northwest. Grows to a medium height, and therefore is not suitable for planting with corn for ensilage. It should be planted with early maturing corn for hogging down. It is extremely hardy, and but little affected by cold, wet weather. One of the most profitable to grow for seed, producing from 20 to 25 bushels of seed per acre.

**BLACK EYEBROW**—Another splendid variety to plant with corn for ensilage. Produces more vines and grows more upright than Ito San. Color of beans black and brown mottled, and larger than Ito San.

**ITO SAN**—A good early variety for the Northwest, maturing in 90 to 105 days and growing from 30 to 35 inches high and of slightly spreading nature. Good for planting with ensilage corn or alone as they stand up well. Beans yellow and quite small, one of the best to grow for seed.

## WINTER OR HAIRY VETCHES

Also known as Sand Vetches. They are leguminous plants, biennial, and especially suited to localities where winters are very severe. They make good hay, ensilage, pasture, and green feed, and are also valuable as a fertilizer, and as a cover crop in orchards, preventing the washing away of the soil during the winter and spring.

They should be sown together with winter rye for a hay crop. Sow about August first, using one bushel vetches (60 lbs.) and one bushel rye. They mature at the same time, and can be threshed together. Price: Lb. 30c, 5 lbs. \$1.25, postpaid.



Manchu—The Most Profitable of Soy Beans.

## CANADA YELLOW FIELD PEAS

Field Peas are an important class of legumes, and should be more generally planted. Few farmers know the value of field peas as a hay crop and fertilizer. They fit into crop rotation well, and are better suited to conditions of the Northwest than any other annual legume, for building up worn out soil.

Field Peas are usually grown with oats, for hay, a combination that is equal in feeding value to clover hay. They contain more digestible crude protein and fat than alfalfa and corn.

When they are grown with oats, they are threshed together, and easily separated with a fanning mill after threshing, thereby getting two crops from one operation. Sow 2 bushels oats to 1½ bushels of peas per acre. Drill the peas in 4 inches deep, as early as the ground can be worked. Then, 2 or 3 weeks later, sow the oats, drilling it in the other way. If the oats is sown with the peas, it grows too rapidly, and checks or smothers the growth of the peas.

Price: Lb. 25c, 5 lbs. \$1.00, postpaid. For prices on larger quantities, See Blue Figure Price List.

## For Inoculating Alfalfa, Clovers, Sweet Clovers, Peas, Soy Beans, Vetches



All legumes should be inoculated, to secure the best results. They draw the nitrogen from the air, which is the chief plant food, and deposit it in the small nodules on the roots of the plants. Thus, nitrogen is stored up in the soil, enriching it, and stimulating the growth of the plants. The inoculated seed produces heavy clusters of nodules.

Nitragin is fresh and full of life. It is put up in cans of convenient size, bearing the date of packing, and the germ count. This means that you are getting the most for your money, for you will know the number of organisms contained in the can. Nitragin is cheap, easy to use, and is recommended by leading Agricultural Colleges and County Agents.

### PRICES FOR FIELD NITRAGIN:

#### Alfalfa, All Clovers, Vetch, Peas, Beans

Size	By Mail, Postpaid
¼ bu. ( 15 lbs. seed).....	\$ .40
½ bu. ( 30 lbs. seed).....	.60
1 bu. ( 60 lbs. seed).....	1.00
5 bu. (300 lbs. seed).....	4.75

#### Soy Beans and Cow Peas

Size	By Mail, Postpaid
1 bu. ( 60 lbs. seed).....	\$ .40
2 bu. (120 lbs. seed).....	.70
5 bu. (300 lbs. seed).....	1.50
10 bu. (600 lbs. seed).....	2.50

When ordering always state kind of seed you want to inoculate.

### NITRAGIN FOR GARDEN USE.

Every garden needs Nitragin. Garden size is for peas, sweet peas and beans including lima (three in one inoculant). Price: 25c, postpaid.



# MILLET



German Millet.

**HOG OR BROOM CORN MILLET**—The hay is of coarse quality, except when cut very young, but the seed is considerably larger than that of Golden Millet, and of high food value, especially for poultry and hogs. It is yellowish white in color. This variety is very early and drought resistant, and produces as much as 40 to 50 bushels of seed, that is plump, heavy and yellow, per acre.

**EARLY FORTUNE**—Similar to Hog Millet, except that the seed is a shiny reddish brown. The seed makes excellent poultry food. It is ready to harvest in 50 to 60 days from the time of sowing. The seed ripens while the fodder is still green, so both the hay and seed can be utilized. Like the Hog or Broom Corn Millet, Early Fortune also is a very heavy yielder of seed.

## JAPANESE MILLET

Japanese Millet is one of the best forage crops we have, for feeding all kinds of livestock. It ranks high in milk producing qualities, being rich in protein and fats. Combined with soy beans, as ensilage, it makes an ideal balanced ration, two parts of millet to one of soy beans being the right proportion.

Japanese Millet is adapted to all sections of the country; it makes more hay than any other millet, and requires less seed. It is the ideal catch crop, and may be sown any time from May to July.

For hay, cut it just before it blossoms, and cure the same as clover. It also makes good pasture, but the cattle must be accustomed to it gradually.

### Japanese Millet is the Best Annual Forage Plant

1—It grows 4 to 8 feet high and is immensely productive, yielding 5 to 6 tons of hay per acre

2—It is drought resistant and hardy, and can be grown on wet or poor soil not fit for other millet.

3—It is good for exterminating quack grass, as it stools heavily.

4—It is cheap to sow, only 15 to 20 lbs. of seed per acre being required.

Do not plant millets until the soil is warm and danger of freezing is over.

## SUGAR CANE

**MINNESOTA EARLY AMBER CANE**—The Early Amber Sugar Cane grown in Minnesota is superior to that grown anywhere else. It is the earliest strain grown, very hardy, of fine quality, and yields from 12 to 20 tons of cane per acre, according to soil conditions and cultivation. It grows 12 to 18 feet high, yielding twice as much fodder, of much better quality, than any southern cane. Early Amber Cane and fodder corn are often planted together, and produce immense yields of high grade ensilage.

One acre of our Early Amber Cane will produce enough cane to make 175 to 200 gallons of syrup, of delicious rich quality, golden yellow in color.

We offer an improved strain of Minnesota Early Amber Sugar Cane which has been carefully bred for size, sugar content, and palatability.

Prices: 1 lb 25c, postpaid.

## FODDER CANE

A profitable feed crop, that can be grown almost everywhere, producing even bigger yields than millet. As much as 30-35 tons of green feed have been harvested per acre. It makes good hay if cut before it grows too high, and can often be cut a second time. It matures much later than Early Amber Cane, and will not produce seed here. The seed is much cheaper than that of Early Amber Cane, and the yield of fodder much greater.

Price: Lb. 20c, postpaid. For prices on larger quantities, see Blue Figure Price List.

Although many farmers and dairymen are not growing Millet regularly as a hay crop, they find it of greatest value in case of crop failure of clover and timothy. It is then that Millet is appreciated. When droughty spring weather cuts short clover and timothy crops, there is still time to plow up such meadows, and seed them to Millet, to prevent a shortage of the hay crop. Millet hay, properly handled, has great feeding value and milk producing qualities. For hay, it should be cut as soon as it blooms, before any seeds form, otherwise the hay is apt to be woody. In more southern sections, Millet is sown as a catch crop after the grain has been harvested. Here in the Northwest, it can be sown from the latter part of May to the middle of July. It produces best results on warm rich soil.

Sow broadcast, using about 40 lbs. per acre, covering three quarters of an inch deep. For a seed crop, allow the Millet to ripen fully, and harvest with a grain binder.

Price on All Millet: 1 lb. 25c, postpaid.—For prices on larger quantities, see Blue Figure Price List enclosed.

**GERMAN OR GOLDEN MILLET**—This is one of the best varieties for hay and fodder. It makes rapid, vigorous growth, often yielding 3 to 5 tons of hay per acre, on good rich soil. It grows 4 to 5 feet high, is of rather coarse appearance, and should be cut for hay before it is in full bloom. At this stage, the hay is of the best quality, and so tender that it can be fed to hogs.

**WHITE WONDER**—This is an exceedingly heavy yielder, with broad heavy foliage that cures rapidly and makes fine fodder. It is earlier than Golden Millet, and on account of its heavy leaf growth, yields almost again as much fodder. The seed heads are of striking appearance, averaging from 8 to 16 inches in length, a single head often containing 15,000 seeds. The seed crop is as profitable as any one can raise, and the hay is of excellent quality. White Wonder is becoming the leading Millet for grain and fodder.

**HUNGARIAN**—The great value of this variety is in its earliness and fine quality. It is about a week earlier than German or Golden Millet, and much safer for northern sections, especially if sown late in the season. It does not grow as vigorously, but the hay is of finer quality, especially good for cattle, as it is nourishing and milk producing. We consider Hungarian Millet one of the best catch crops grown.

**SIBERIAN**—We consider this the best Millet for dry sections. It is extremely hardy, drought resistant, and about two weeks earlier than Golden Millet. It stools heavily, is very leafy, and yields enormous quantities of fine quality hay. It produces 50 to 70 bushels of seed per acre.

**COMMON**—Especially adapted for dry and light soil. It is very early and dwarf, growing 3 to 4 feet high, is harder than Golden Millet, therefore better for cold northern sections and unfavorable conditions, but does not yield as heavily as Golden Millet.



Minnesota Early Amber Sugar Cane.

# SUDAN GRASS, SORGHUMS, RAPE



Sudan Grass Produces Enormous Crops of Quality Hay.

## RAPE

### Advantages in Sowing Rape:

1. Grows wherever corn or turnips grow.
2. Provides pasture in 6 to 8 weeks' time.
3. The best forage plant for dry seasons, because of its strong, deep root system.
4. Plant alone or with grain, soy beans, sudan grass or cane.
5. Adds humus matter to soil when plowed under.
6. Its cheapness; sown broadcast, use 5 or 6 lbs., sown in rows, use only 3 lbs. per acre.

Rape is an annual forage plant of great value, profitable in all sections of the country. It can be grown to advantage on land which has already produced an early grain crop, like oats, rye, or winter wheat.

Rape provides excellent pasture for all kinds of live stock, cattle, hogs, and sheep. It can be sown at any time during spring or summer, so a good pasture can be had whenever it is needed. Rape will prepare sheep and hogs for market better and in less time than any other forage plant. One acre is sufficient to pasture 12 to 15 sheep from six weeks to two months, and is the ideal pasture for weaning lambs. Spring pigs can easily be brought up to 200 lbs. in weight when six months old, if fed on rape. It is a mild succulent feed for cattle, and will not flavor the milk, if the cattle are pastured properly. Stock that is being fed on rape should always have access to salt. Two pieces of land may be seeded at once, to be used alternately, pasturing one while the other is growing. Do not graze too closely. Rape makes a good fall pasture.

**Dwarf Victoria Rape** An outstanding variety that produces an abundance of forage and has met with great favor wherever grown.

**Dwarf Essex Rape** The commonly grown type that has produced the finest pastures for many years.

Price: Lb. 25c, 5 lbs. \$1.00, postpaid.

## KAFFIR CORN

A good fodder plant for Iowa and sections farther south, that grows 5 to 7 feet high, with broad leaves and brittle green stalks. Green or dried, this makes excellent fodder for horses and cattle. The seed heads form at the top of each stalk. The seed is good as poultry food. Sow 10 lbs. of seed per acre, in rows 3 feet apart, or 50 lbs. per acre broadcast or in drills. Price: Lb. 25c, postpaid.

## FETERITA

The most drought resistant forage plant we have, especially valuable for the southern prairie states. It is much like Kaffir corn, but matures 20 days earlier, the seed is one-half larger, the heads plumper, and better filled. It is profitable for pasture, hay crop, ensilage or grain, and is used for feeding cattle, sheep, and poultry. Culture is same as for Kaffir Corn. Price: Lb. 25c, postpaid.

We quote prices on small quantities, prepaid. For prices on larger quantities, see Blue Figure Price List enclosed.

## SUDAN GRASS—The Wonderful Hay Crop

One of the best annual forage plants ever introduced, suitable for almost any locality. Sudan Grass thrives best on rich loam, but has been successfully grown on almost every kind of soil, from heavy clay to light sand. Cold, wet, boggy soils are not suited to Sudan Grass.

Sudan Grass is a sorghum, and an annual, without underground root sprouts. It grows 4 to 5 feet high in drilled seedings, and 5 to 8 feet in cultivated rows. **DO NOT SOW SUDAN GRASS BEFORE CORN PLANTING TIME.** Like corn, it is a warm weather crop. In favorable seasons, the growing period is long, and several cuttings can be obtained in one season. For hay it is ready to cut in 60 to 75 days, when it is in full head. It continues its growth, and in 40 to 45 days it is ready for another cutting. If Sudan Grass is grown for seed here in the Northwest, only one crop can be harvested.

Sudan Grass is an enormous yielder, producing 3 or 4 tons of hay at the first cutting. The second cutting is lighter, and the hay is much finer. Live stock of all kinds will eat the hay readily.

### Culture

For a seed crop, sow 15 lbs. per acre, in drills, 15 to 20 inches apart. The crop should be harvested with a grain binder.

For hay, sow at the rate of 20 to 30 lbs. per acre, using a grain drill, and cover from one to one and one-half inches deep. Heavy seeding makes finer quality hay.

The hay crop is harvested with a regular mower, when the Sudan Grass is fully headed out. It can be cut in the morning, and if the sun is bright, it should be raked up in the afternoon of the next day. After bunching, it is placed in cocks, just the same as alfalfa. After it has been thoroughly cured, it is removed from the cocks to the barn, or stacked. Because of the large amount of juice in the stems of Sudan Grass, the leaves cure first and the hay often appears ready to stack, when it is not. Therefore, the only sure way to avoid heating, is to allow Sudan Grass to remain in cocks long enough for the stems to become dry. The leaves are retained well, and if cut at the right stage of maturity and handled properly, will make a bright, leafy, sweet hay, of the very best quality.

### Sudan Grass And Legume Mixture

Sudan Grass, grown with legumes such as soy beans, makes a well balanced mixture for pasture, ensilage and hay. Sudan Grass grows stiffly erect, with stems strong enough to support the vines and makes harvesting easier, by keeping them off the ground. It hastens curing, by preventing the beans rotting.

Sudan Grass and soy beans, planted together, make a good hog pasture. Sow 25 to 30 lbs. Sudan Grass and the same quantity of soy beans, to the acre, drilling in the seed with a grain drill. For quickest results, sow in rows 18 to 20 inches apart, and cultivate. Price: Lb. 30c, 5 lbs. \$1.00, postpaid.

## SUNFLOWER—MAMMOTH RUSSIAN

The production of Sunflower for ensilage and fodder is now advocated by many seed dealers. This is fairly profitable where the seasons are too short to grow other forage plants, sorghums, etc.

We do recommend Sunflower as a highly important and profitable crop for poultry breeders and farmers, for fattening hens or producing eggs. Single flower heads measure 12 to 22 inches across, containing a lot of seed. Stalks can be used for fire wood. Price: Lb. 30c, 5 lbs. \$1.25, postpaid.

# STRONG HEALTHY PURE-BRED BABY CHICKS

## PROMPT AND SAFE DELIVERY GUARANTEED

Millions of day-old baby chicks are being shipped daily during the spring months, from all parts of the United States, with perfect safety and absolute satisfaction.

The baby chick business has grown by leaps and bounds during the past few years—and why? Because it has been proven that chicks can be bought cheaper than they can be hatched at home—that all worry and uncertainty of hatching is overcome—that 100% live delivery can be guaranteed and that you can be sure of getting pure-bred chicks from T. B. tested flocks.

**Shipping time**—Soon as weather permits—usually April, May and June. Orders are booked at any time for future delivery and customers' wishes are carried out with regard to shipping, weather permitting.

**When chicks arrive**—Postmasters have instructions to deliver promptly, or notify customer to call immediately. They should be claimed within 24 hours after arrival.

Examine all chicks immediately in the presence of your postmaster, or mail carrier, but do not open the box in the cold. Take box to a warm room to open. Count number of live chicks received. We always add extras to cover any possible losses.

**Our guarantee**—We guarantee all our chicks true to name and of the quality ordered, and deliver strong, healthy chicks in improved shipping containers, to the postoffice or express office, so they will travel safely to all parts of the country. If you do not receive 100% live chicks, your claim properly certified by your postmaster on the day shipment arrives, will entitle you to additional chicks or a refund of the money paid. No other claims can be allowed.

Any claim for loss or shortage must be certified by your post-

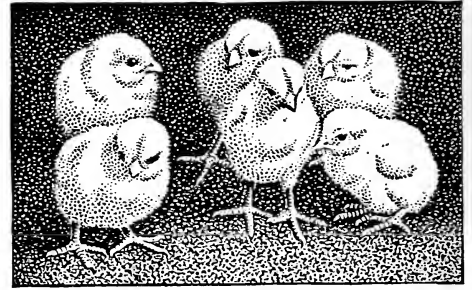
## OUR QUALITY STRAIN OF BABY CHICKS—GUARANTEED 100% LIVE DELIVERY

Our quality strain of baby chicks represents the finest types and purest strains from prize winning flocks that have been culled by experts and are bred to lay. All have been T. B. tested.

When chicks of superior quality may be had for so small a price, why not take advantage of this short cut to real poultry

	100, Each	PRICES, Postage and Packing Included:	
		500, Each	1,000, Each
Light Breeds	Each	Each	Each
S. C. White Leghorns	13½	13	12
S. C. Buff Leghorns	13½	13	12
S. C. Brown Leghorns	13½	13	12
S. C. Anconas	14	13½	12½

For less than 100 chicks, add 1c each. No orders filled for less than 25 chicks.



master, mail carrier or express agent and mailed to us the same day received.

**Terms**—It is best to send cash with order—we cannot accept C. O. D. orders, however we will book your order for later shipment upon receipt of 25% of the amount due. The balance is payable ten days prior to shipment.

profits and for foundation stock of layers!

We advise early orders as our hatching capacity is limited and the demand for baby chicks is increasing at a tremendous rate. Place orders now and be assured of chicks when you want them

	100	500	1,000
Heavy Breeds, Each—Per			
S. C. White Minorcas	16½	16	15
S. C. Barred Rocks	16½	16	15
S. C. Rhode Island Reds	16½	16	15
S. C. Buff Orpingtons	16½	16	15
S. C. White Orpingtons	16½	16	15
R. C. White Wyandottes	16½	16	15

# RABBIT RAISING—THE COMING INDUSTRY

## RICH IN PROFIT MAKING POSSIBILITIES FOR YOU

Begin in your back yard—you need make only a small investment to start in the rabbit business. You can learn the business in a short time. Rabbits breed every month in the year and are ready for market when twelve weeks old. But little space is required and hutches can easily be built from wooden boxes or inexpensive lumber. This is also an ideal business for women and less troublesome than chicken raising. You can make money right from the start. Why not let rabbits put your children through college.

## THE DEMAND FOR RABBIT MEAT EXCEEDS THE SUPPLY

Prominent dietitians and food experts endorse domestic rabbit meat as a vitalizing and health-giving food. The public is demanding it and prices will continue to increase as new markets are developed. Right now regular shipments are being made to the best meat markets in the Twin Cities and the finest hotels are offering rabbit meat on their menus.

## IF YOU WANT HELP GETTING INTO THE RABBIT BUSINESS

We can put you in touch with a school of high standing and reputation that specializes in teaching every angle of the rabbit business. Expert instructions by mail including lessons, bulletins, market letters and individual advice. Everything you need to put you into this profitable new business that cannot be overdone for years to come. Write us for further particulars.

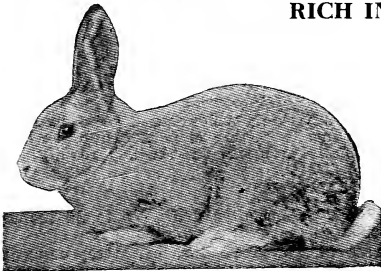
## WE HELP YOU MARKET YOUR RABBITS AND PELTS

One of the best rabbit dressing plants and marketing associations in the United States is located here. A growing demand is developing for the fancy dressed rabbit meat this local plant turns out. You raise the rabbits—we help you get top market prices for both meat and pelts.

## PRICES—PRIZE WINNER BREEDING STOCK

Variety	PEDIGREED—NOT REGISTERED				REGISTERED		
	Age Mo.	Buck or Doe	Buck and Doe	2 Does 1 Buck	Doe or Buck	Doe and Buck	2 Does 1 Buck
Chinchilla	4-5	\$ 6.00	\$11.50	\$17.50	\$12.50	\$24.50	\$37.00
	6-7	7.50	14.50	22.00	17.50	34.50	52.00
	8-9	10.50	20.50	30.50	22.50	44.50	67.00
White Beverens	4-5	16.00	31.50	45.00	18.00	37.50	56.00
	6-7	21.00	41.50	60.00	24.00	47.50	71.00
	8-9	26.00	51.50	73.00	29.00	57.50	86.00
White New Zealand	4-5	12.00	23.50	32.50	14.00	27.50	41.00
	6-7	17.00	33.50	47.50	19.00	37.50	56.00
	8-9	22.00	43.00	60.00	24.00	47.50	71.00
New Zealand Reds	4-5	7.00	13.50	19.00	9.00	16.50	24.00
	6-7	8.00	15.50	22.00	10.00	18.00	27.00
	8-9	10.00	19.00	25.00	12.00	22.00	30.00
American Blue	4-5	16.00	31.00	44.00	19.00	37.50	56.00
	6-7	20.00	39.00	55.00	24.00	47.50	71.00
	8-9	25.00	49.00	70.00	29.00	57.50	86.00

All Prices F. O. B. Faribault—No Crating Charges—Safe Delivery Guaranteed.



A Prize Winning Chinchilla Rabbit.

## MORE THAN 100,000,000 PELTS USED ANNUALLY

Think of it—these pelts are valued at over \$25,000,000 and less than 2 per cent are at present produced in the United States. What wonderful possibilities await the growers who get started now.

Faribault has taken a prominent part in developing the rabbit industry. Here are located several rabbitries noted for prize-winning breeding stock. We can supply the most profitable and popular breeds and guarantee entire satisfaction. Space forbids mentioning all the blue ribbons and prizes won by bucks and does of the various breeds, though we will be glad to furnish detailed information on request. We offer both registered stock and pedigreed stock not registered.

To those who wish to learn more about rabbit raising, we can supply the following bulletins with authentic information from the Department of Agriculture upon receipt of 5c per bulletin. Raising Domestic Rabbits—Rabbit Skins for Furs—Rabbit House Instructions—Chinchilla Rabbits for Food and Fur, and Tested Recipes for Domestic Rabbit Meat.

If you have rabbits ready for the market, advise us and we will explain our marketing plan which will assure you of the highest prices and a constant market for your products.



# Insecticides—Fungicides and Disinfectants

Write for Acme Sprayer Chart and Guide Free. Poisons Cannot be Mailed.

## Acme Garden Guard

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss.

For use on cabbage, cauliflower, tomato plants, melon vines and other vegetables, currants and gooseberries, flowers and shrubs of many kinds.

Price: 1 lb. sifter carton 30c, prepaid.

## Acme London Purple

For use on potatoes, cotton, tobacco, sugar beets and many other shrubs and vegetables affected by leaf chewing insects.

Price: ¼ lb. 15c, 1 lb. 40c, 4 lbs. \$1.35; 100 lbs. \$22.00, not prepaid.

## Acme Bordeaux Mixture

Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. It stimulates plant growth and greatly increases the harvests. Almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Bordeaux Mixture.

Price: 1 lb. 40c, prepaid. Not prepaid, 1 lb. 35c, 4 lbs. \$1.10.

## Tobacco Dust

Destroys rose bugs, lice, vine bugs, tomato worms, currant worms, cabbage lice, and the parasites of all descriptions. Apply when foliage is wet. Also used as a fertilizer for plants and vines, causing a healthy, vigorous growth; will not injure the plants. Price: By mail, 1 lb. 30c.—Not prepaid, 1 lb. 25c, 5 lbs. \$1.15, 10 lbs. \$2.00.

## Acme All Round Spray

The latest improvement in the insecticide field; one product which will combat blight and fungous diseases, control sucking insects and destroy chewing insects in one application. Safe to use on almost all fruits, vegetables, flowers and shrubs. Write for descriptive circular.

Price: ¼ lb. 35c, 1 lb. 85c, not prepaid.

## Lice Powder

Will successfully kill body lice on chickens, horses and cattle. It is very effective when applied to roosts, walls and crevices with a powder gun. Be careful not to make application on little

chicks just before they enter the brooder or go under the mother hen. Price: 1 lb. 30c, postpaid.—Not prepaid: 1 lb. 25c, 5 lbs. \$1.00.

## "Black Leaf 40"

(Sulphate of Nicotine.)

This is one of the best all around spraying materials. It is especially recommended for killing the green aphid or lice which usually appear on sweet peas, cucumber and other vines. For green aphid or lice, add 1,000 parts water to one part "Black Leaf 40." It can be used for spraying all kinds of plants. It is also very valuable when used as a dip for cattle and sheep. A 10-lb. can of "Black Leaf 40" will produce 960 gallons of dipping solution. Cannot be sent by mail. Price: By express, 1-oz. bottle, 35c, 8-oz. tins, \$1.35, 2-lb. tins, \$3.75, not prepaid.

Delouse poultry by painting roosts with Black Leaf 40.

## Acme Lime Sulfur

For use on dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite.

Price: 1 lb. 35c, prepaid. Not prepaid, 1 lb. 30c, 5 lbs. \$1.20, 10 lbs. \$2.00.

## Sulpho Tobacco Soap

A cheap, effective and harmless insecticide, quickly exterminating all insect life on plants and flowers, in and out of doors. Rids the house of cockroaches, and is a superior wash for animals. Prevents poultry lice. Price: 3 oz. cake, sufficient for 1½ gallons prepared solution, prepaid, 15c. 8 oz. cake, prepaid, 25c.

## Acme Arsenate of Lead

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray. Price: ½ lb. 25c, 1 lb. 40c, 4 lbs. \$1.35, not prepaid.

## Gopher Kill-Em-Quick—To Clean Out Gophers

A safe, economical method. The odor attracts gophers—the sweet taste suits them and just a tiny particle eaten kills them instantly. Very simple to use; guaranteed to do the work or your money will be refunded. Price: Small size, 60c. Large size, \$1.10, prepaid.

## Acme Two-Way Spray

A balanced insecticide and fungicide containing 14% arsenate of lead and 83% Bordeaux Mixture. Two results with one application.

Use wet or dry on apple, sour cherry, currant and gooseberry, grape, pear, plum, strawberry, bean, beet, cucumber, pepper, potato, tomato and many other fruits and vegetables.

Price: ½ lb. 25c, 1 lb. 40c, 4 lb. bag \$1.35, not prepaid.

## "Nok-Em-Kold" Garden Insecticide

Endorsed by many market growers associations and used in our own trial grounds. It controls cabbage and cauliflower worms, cucumber beetles and all insects infesting vine crops, berries and shrubs. Dust on while the foliage is damp with dew. Will not burn or injure plants or fruit.

Packed especially for the market gardeners trade in 10 lb. bags only. Price: 10 lbs. \$1.75, not prepaid. Cannot be mailed.

## Carbola White Wash Disinfectant

A snow-white paint in powder form. Ready to use as soon as mixed with water. Can be applied with a brush or spray pump to wood, brick, stone or cement, or over whitewash. One gallon covers about two hundred square feet, and it will not blister, flake or peel off, clog the sprayer, or spoil by standing.

Carbola kills lice, mites, fly eggs, etc., and helps prevent the germs of contagious diseases that affect poultry and livestock. Price: 5 lb. carton 75c, 10 lb. carton \$1.25, 50 lbs. for \$4.75, not prepaid.

## Slug Shot

The standard remedy for worms, rose slugs, caterpillars, cabbage worms, and all soft shelled insects—effective, and entirely harmless to plants. Use on potatoes, currants, cabbage, roses, bushes.

Dust on the plants or mix in a watering pot and sprinkle, covering the plants and repeat when necessary. Price: 1 lb. carton, with perforated top, ready for use, each 30c, prepaid.—Not prepaid, 1 lb. carton 25c, 5 lbs. 75c, 10 lbs. \$1.25.

## Acme Bait-M

For use against snails, cutworms, sow bugs, grasshoppers and many other insects which migrate along the ground.

Price: 1 lb. 40c, 3 lbs. 75c, prepaid. Not prepaid, 15 lb. carton \$2.25.

## Evergreen

Non-Poisonous Insecticide

Effective against most other plant pests, including cucumber and melon beetles, cabbage worms, rose slugs, leaf hoppers, currant worms, etc.

Safe—Kills only insects—harmless to man, live stock, birds and pets.

Non-Injurious—Spray freely on the tenderest plants. Won't injure the ground.

Price: 1 oz. bottle 40c, 6 oz. bottle \$1.10, prepaid.

## Sheps Plant Spray

(Non-Poisonous.)

Get rid of destructive insects. Use SHEPS Plant Spray. Kills and controls both sucking and chewing insects but absolutely harmless to humans, birds, animals and pets. Will not "burn" delicate leaves or flowers. Makes green, healthy, lustrous foliage. No soap solution needed—simply mix with water.

Prices, Postpaid.

2-oz. bottle (makes 4 gals. spray solution) ..... \$0.35  
6-oz. bottle (makes 16 gals. spray solution) ..... .75  
Pint bottle (makes 32 gals. spray solution) ..... 1.25  
Quart can (makes 64 gals. spray solution) ..... 2.00

## F. S. & N. CO'S RAT-DOOM.

Do you realize that \$200,000,000 are lost annually in the United States in food destruction by rats and mice? What is your share of this loss, and why tolerate these pests when they may easily be cleaned up with F. S. & N. Co's Rat-Doom?

It is a most effective poison and very inexpensive to use. Three or more kinds of bait can be used, such as fish, meat, fresh fruits and vegetables, or bread cereals. Each must be mixed separately with Rat-Doom.

Full instructions for setting bait come with each package and a small portion consumed will soon spell doom to rats and mice, and without any disagreeable after effects. Rat-Doom has an agreeable odor and attracts mice and rats, though it should be kept away from fowls, dogs, cats, etc.

Price: 1 oz. pkg. 30c, 3 oz. pkg. 75c. Prepaid.



# SACCO

TRADE MARK REG. U.S. PAT. OFF.

## Makes Things Grow

### AMOUNT TO APPLY

Use 2 to 4 lbs. for every 100 sq. ft. (10x10 ft. area). Full directions for applying SACCO are printed on each package.

SACCO is the finest of fertilizers—a combined soil rectifier and growth producer for use on LAWNS, GARDENS, SHRUBS, FLOWERS, TREES, POTTED PLANTS and VEGETABLES. It is a well-balanced preparation containing ALL THE FEEDING ELEMENTS essential to the perfect growth and development of all plants.

### One Application Produces Amazing Results

A single SACCO application can be depended upon to make grass and vegetables grow vigorously and to make flowers and shrubbery beautiful with bloom and foliage. This plant food gives quick results, is easy to apply and, because only a small quantity is required, is very economical. SACCO has no offensive odor.

### SACCO is Recommended by Highest Authorities

SACCO has the approval of horticulturists and of many thousands of satisfied users. On the lawns of fine homes—on golf courses—in private gardens—in hot-houses—and in the nurseries of progressive florists and commercial growers—SACCO has proved its unquestionable superiority.

The 85 cent size—10 lbs.—is sufficient to fertilize plot of lawn 20x25 ft. The \$1.75 size—25 lbs.—will cover plot 40x30 ft. See "Amount to Apply" above.

Price: 5 lb. bag 50c, 10 lb. bag 85c, 25 lb. bag \$1.75, 50 lb. bag \$3.00, 100 lb. bag \$5.00, f. o. b. Faribault.

A booklet of Detailed Instructions is contained in each package.



## Special Fertilizer for

### WEED CONTROL IN LAWNS

Here is an ideally balanced fertilizer made especially to rid your lawn of weeds. Grass will grow luxuriantly and weeds will gradually disappear. WEDO is formulated after recommendations of leading experiment stations and soil authorities. It contains the recommended amounts of nitrogen, phosphates and potash most suitable to lawn grasses.

WEDO is an ideal fertilizer for creeping bent lawns and putting greens.

### WEED ELIMINATING FEATURES

Incorporated in WEDO are the valuable weed eliminating features of sulphate of ammonia and other weed control elements.

### How Much WEDO to Buy

Only one pound is required for 100 square feet. Multiply the dimensions of the area to be treated and divide by 100. This will give you the number of pounds required.

100 lbs. \$6.50    50 lbs. \$3.75    25 lbs. \$2.00

## NU-LIFE PLANT GROWER



The best of plants need stimulating. The soil becomes stale and worn out and the plants sickly—then the leaves discolor and the blooms lack brilliancy.

Here is where Nu-Life Plant Food comes to the rescue. Immediately results will be noticed. It is easy to use, entirely odorless, and it will put new life into your sick plants. It will pep up your flower bed and stimulate growth of all vegetation, indoor or outdoor. Nu-Life Fertilizer will produce more perfect

flowers or fruits, and healthy foliage.

Because Nu-Life is a most highly concentrated plant food and contains 15% Nitrogen, 30% Phosphoric Acid and 15% Potash, only a small amount is required per pot. For a sick plant, scatter a two-finger pinch of Nu-Life on the soil. After a new leaf growth has started, use a level teaspoonful of Nu-Life with a gallon of water and apply approximately half a teacup full per plant on a three inch pot and a teacup full on a four or five inch pot. Apply every two or three weeks.

Nu-Life Plant Food is readily dissolved and carried right to the roots. Its fertilizing value is four to five times that of ordinary plant food. It is properly balanced and practically water soluble. Liberal Trial Size 15c, 1/2 lb. package 50c, postpaid.

Special—Try a 15c packet; return the empty packet for credit of 10c on a 50c size package.

## LENOX MISTY SPRAYER

Just the thing for house plants or small shrubs. It throws a fine misty spray under or over the plants, thoroughly drenching the foliage and removing dust and insects.

Any liquid insecticide or poison may be used, and with this sprayer every part of the plant may be covered with effective results.

Price: 80c. Extra bulbs 35c each, prepaid.

Sulpho Tobacco Soap—for cleansing, disinfecting and invigorating plants.

Price: 3 oz. cake, sufficient for 1 1/2 gal. solution, 15c; 8 oz. cake, 25c, prepaid.



SPRAYING UNDER THE LEAVES  
THE THING LONG NEEDED



## STIM-U-PLANT

A highly concentrated fertilizer in tablet form. It is readily dissolved and very effective. Easy to use—simply insert tablet in the soil near the base of plant.

Price: 30 tablets 25c; 100 tablets 75c, prepaid.

## Poultry Supplies and Remedies

**MINK'S LOUSE KILLER OINTMENT**—One application keeps hens free from lice for six months. Pays its cost tenfold in increased egg production. Wonderful remedy for head lice on baby chicks and turkeys. If not completely satisfied, return empty box and get your money back. One box sufficient for treating 75 to 100 hens. Perfectly harmless. Price: \$1.00, prepaid.

**F. S. & N. CO'S LICE POWDER**—Will kill body lice on fowls and can also be used as a disinfectant, applied to walls and roosts with a powder gun. Two sizes—Price: 25c, postpaid; 5 lbs. \$1.00, prepaid.

**CONKEY'S POULTRY TONIC**—For fowls run down, off feed, recovering from disease or during moulting season. Keeps hens in the best laying condition. Great for growing chicks. Two sizes—Price: 30c, postpaid; 3 1/2 lbs. for 50c, not prepaid.

**CONKEY'S POULTRY WORM REMEDY**—Rids birds of many troublesome worms, thus promoting a return to healthy condition. Two sizes—Price: 30c and 50c, postpaid.

**CONKEY'S CANKER REMEDY**—For hard swelling face. Yellow or cheesy growth may show in roof of mouth. Eye distended. Breath foul. Price: 35c, postpaid.

**CONKEY'S ROUP REMEDY**—For fowls that sneeze, gasp and wheeze, also have a watery discharge from the nostrils and eyes. Two sizes—Price: 30c and 65c, postpaid.

**CONKEY'S WHITE DIARRHEA REMEDY**—Very successful, both as remedy and preventive. Two sizes—Price: 30c and 60c, postpaid.

**CONKEY'S CHOLERA REMEDY**—For all forms of indigestion and cholera. Placed in drinking water. Two sizes—Price: 25c and 55c, postpaid.

**CONKEY'S SCALY LEG REMEDY**—A few applications will penetrate to the parasites that work under the scales of the legs and heal up this unsightly trouble. Price: 25c, postpaid.

**FINE CHICK FEED**—A well balanced food. Made up of clean, sweet and sound grain. Price: 25 lbs. 85c, 50 lbs. \$1.60, 100 lbs. \$3.00.

**GOD-LIVER MEAL CHICK STARTER**—Builds strong, healthy chicks quickly. It prevents white diarrhea—keeps the chicks healthy and makes the quickest broilers. Price: 8 1/2 lb. bag 45c, 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.25, not prepaid.

**POULTRY BONE**—Clean and sweet. This food is rich in protein and it is well to keep it constantly before the birds. Price: 25 lbs. \$1.10; 50 lbs. \$2.00; 100 lbs. \$3.85.

**BEEF SCRAPS**—For laying hens, ducks and geese. Also promotes rapid, healthy growth. Contains 50 per cent protein. Price: 25 lbs. \$1.40; 50 lbs. \$2.50; 100 lbs. \$4.75.

**CRUSHED CHARCOAL**—Keeps fowls in healthy condition, purifies the blood, aids digestion. Two sizes, coarse and fine. Price: 25 lbs. \$1.00; 50 lbs. \$1.75; 100 lbs. \$3.25. All f. o. b. Faribault.

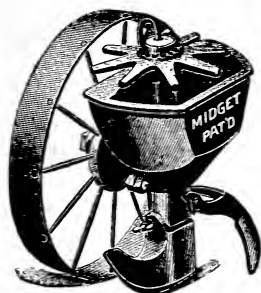
## "Standard" No. 20 Single Wheel Cultivator



With this tool you can get your money's worth in a few hours work, whether you have 5 acres, one acre or a garden only 25 feet square. Has a strong steel wheel 24 inches in diameter, making it work easily and carrying the tool in perfect balance. The handles are quickly adjusted to suit the height of the operator or to regulate the depth desired to run attachments. The equipment includes double end shovel mold board with landside, combined sweep and rake, (practically 5 tools.) Weight 15 lbs.

Price: Complete \$3.75

## Standard Midget Seeder



For sowing any kind of seed, from the smallest up to peas, and beans, in any quantity. Will attach with one bolt to any Standard Single Wheel cultivator, or any other Single Wheel cultivator, having 5½ inches or more space between shank and wheel. Shoe is adjustable for any depth and coverer swings easily. Shipping weight, 8 lbs.

Price: Set up, ready to be attached, \$3.50.

With handle, \$4.00.

Ask for Complete Catalog.

## Perfection 110 Compressed Air Sprayer

A high pressure compressed air sprayer, with an exceptionally strong tank that will not leak or blow out. Has riveted head, with strong side and bottom seams, a strong powerful pump made of brass, properly proportioned. The Perfection automatic shut-off nozzle is built for high pressure work—will close tight under pressure with no danger of leaking or clogging. This is the ideal sprayer for general work—on truck farms, potato, onion or melon fields, also well suited for white-washing, cold water painting, disinfecting, deodorizing, etc. Is fully guaranteed to give satisfaction.

Tank—7½ ins. in diameter, 20 ins. high; capacity approximately 4 gallons. Made of first quality prime galvanized or brass sheets as ordered.

Pump—1¼ ins. in diameter, 15 ins. long; seamless brass tubing. Plunger is equipped with Hudson special cupped leathers. The valve is brass, positive in operation.

Package—one in heavy fibre carton; shipping weight 11 lbs.

No. 110G—Galvanized Steel Tank. Price \$6.00.

No. 110E—Brass Tank. Price \$9.15. Ask for catalog.

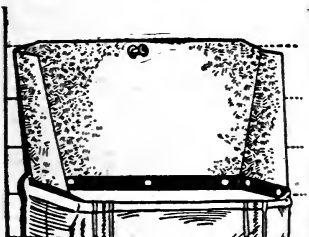
## Ideal Hand Weeder

Indispensable for all garden work. Just the thing for close work around delicate plants. Most practical weeder on the market. Used by many market gardeners. Price: 25c, postpaid.



GARDENERS AND FLOWER LOVERS—DON'T OVERLOOK THE NATIONAL FLOWER AND GARDEN SHOW TO BE HELD AT MINNEAPOLIS MARCH 29—APRIL 6, 1930.

## New Idea Sack Holder



Saves the work of an extra man in sacking grain, corn, etc. No supports needed—hang it anywhere, or use it as a scoop in filling a bag from the bin. Holds bag securely.

The New Idea sack holder is made of heavy galvanized iron and will last a life time.

It's a time and money saver and every farmer can use several to advantage.

Price: 85c each, prepaid.

## Barker Weeder, Mulcher and Cultivator

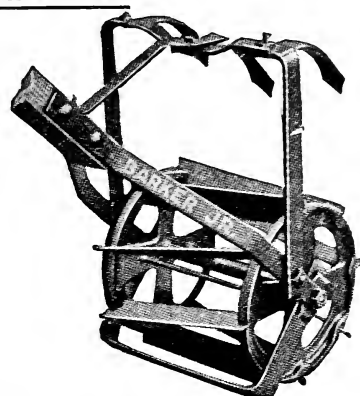
The only garden tool which will form a complete, porous and level soil mulch for conserving the moisture and holding it at the roots. This soil mulch is of such an even granulation that it readily permits complete aeration of the ground.

Eight reel blades, working in combination with the knife passing under the surface, do the work. Best weed killer ever used. Easy to operate, no delicate parts to get out of order.

For market gardeners we recommend The Barker: for home gardens the Barker Jr.

Prices: F. O. B. Faribault.

No. 9D—9 ins. wide.....	\$ 9.35
No. 10D—10 ins. wide.....	10.25
No. 11D—11 ins. wide.....	11.50
No. 12D—12 ins. wide.....	12.25



Barker, Junior.

## The Barker Junior

The BARKER Jrs. are built of the same high quality materials as the BARKER, and have the advantage of our expert workmanship and expert knowledge of construction. They have open wheels, and are slightly less rugged than the BARKER.

Prices

No. 6 —6 ins. wide.....	\$ 7.00
No. 8½—8½ ins. wide.....	7.75
No. 10 —10 ins. wide.....	8.25

For working two sides of a row.  
No. 66—2 each—6 ins. wide. For working two sides of a row. 14.25

Write for catalog of full line of Barker Weeders and Mulchers.

## Cyclone Hand Seeder

Grass Seed mixtures cannot be seeded to advantage with the grass seeder attachment to the grain drill because of clogging and uneven work. The Cyclone Seeder is simple, light but strong. It will sow timothy, clover, millet, and grass seeds, as well as flax, wheat, rye, oats, buckwheat, turnips, and fertilizers perfectly even. Any desired quantity, from one quart to three bushels can be sown, per acre. Canvas bag holds one-half bushel seed. Shipping weight 4 pounds. Price: \$2.00, not prepaid.



## Horn Hand Seed Sower

Has a heavy canvas bag, with shoulder strap. The tube is in 3 sections, 30 inches long. The larger end fits into a stub joint which is fastened to the bag, and in which is a gauge to regulate the sowing of the seed. Holds about one-half bushel of seed, operates quickly and easily, for all broadcasting seeding. Shipping weight 1 lb. Price: \$1.00 each, postage extra.

## Wheelbarrow Seeder

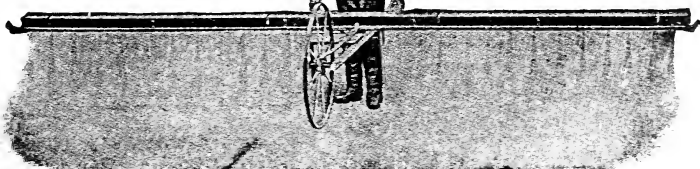
This seeder will sow accurately clover, timothy, millet, flax seed and other heavy grasses. The wheel is 30 inches in diameter, with tire 1½ inches wide. The feed is controlled by an improved force feed roll driven by the wheel, so the gait of the man operating the machine does not affect the feed of the seed. The seed is carried so low down that it cannot be scattered by the wind. This seeder will sow 25 to 40 acres per day. Weight about 50 lbs.

Price: No. 10—14-foot machine, \$11.40. (Illustrated.)

No. 11—16-foot machine, \$12.20.

No. 12—With Double Hopper, for sowing light grasses and mixtures. Blue Grass, Bromus, etc. Weight 55 lbs. 14-foot machine, \$14.00.

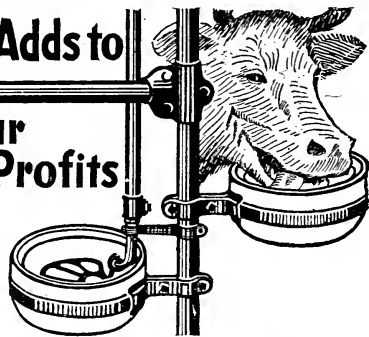
Special catalogs of Planet Junior and Standard tools, Barker Cultivators or Hudson Sprayers free on request.



## Her Smile Adds to

Your  
Profits

Ask for special circular with detailed information.



### SANITARY DEHORNING PENCIL

The value of a calf is increased \$2.00 by dehorning. The brutal method of sawing off the horns is obsolete. Check the growth of horns in young calves with our 'Humane' Dehorning Pencil. One application does the work, so simple any boy can do it—does not injure the calf, is entirely painless. We absolutely guarantee satisfaction, or refund your money. Each pencil will dehorn from 15 to 20 calves, at a cost of about 4 cents per calf. We have sold 'Humane' Dehorning Pencils for many years, and to our knowledge not a single pencil has been returned to us as unsatisfactory. Include one with your order.

Price: 60c per pencil; 3 for \$1.50, prepaid.

### F. S. & N. CO'S. CATTLE COMFORT

A disinfectant dust to rid cattle of lice and other parasites so troublesome during the long winter months.

Cattle Comfort is easily applied—simply perforate top of container with a small nail, and dust along the spine and rump—brushing in the powder against the hair to reach the skin. It will soon relieve restlessness and irritability caused by parasites.

Cattle Comfort will keep your stock sanitary, contented and increase the flow of milk in cows. It is harmless when applied as directed and will repay you tenfold.

Sold with a money-back guarantee if not satisfactory. Keep a supply on hand and use it weekly.

Price: 1 lb. container 60c, 3 lbs. for \$1.50, prepaid.

### IOWA BRAND MINERAL FEED

A complex Mineral Feed for all farm animals and poultry. There are fifteen ingredients—every one an active potent element. No fillers used—no substitutes. Iowa Brand Mineral Feed is a balanced mineral ration. It is appetizing, palatable and animals eat it freely and thrive on it. Here is the formula:

Calcium Carbonate (lime) 24%, Bone Black 10%, Bone Meal 10%, Acid Phosphate 12%, Sodium Chloride (salt) 9%, Charcoal 9%, Sodium Sulphate (Glauber's Salt) 7%, Magnesium Sulphate (Epsom Salt) 2%, Sulphur 5%, Bicarbonate of Soda 2%, Manganese Sulphate 2%, Oxide of Iron 3%, Iron Sulphate 1.97%, Anise 3%, Potassium Iodide .03%.

**Our Liberal Guarantee.** We guarantee every ingredient to be as represented and if you feed a bag of Iowa Brand Mineral Feed as per directions and are not fully satisfied, your money will be refunded.

Price: Per 100 lbs. \$2.95 f. o. b. Faribault.

### ANTS DESTROYED IN THEIR NESTS

The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup, and placed about the outside edges of the house or along 'ant' trails in the garden if the infestation occurs there. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!

The complete system should cover every 15 feet around the outside of the house or 'ant' trails in the garden.

Prices: Antrol sets containing 4 containers and 1 4-oz. bottle of syrup \$1.00, prepaid.

### Velvet Water Softener and Cleaner

Will clean dishes, sinks, cans, pots, pans, glass, metal and wood and do an effective job without injury to the article. Just the thing to keep the milk house sanitary for will clean up a greasy floor with but little effort. Only five ounces of Velvet per gallon of water is required. An ounce consists of approximately four tablespoonsful or eight teaspoonfuls. Very inexpensive to use.

Perhaps its greatest use is in providing soft water when the cistern goes dry. For a fifty barrel cistern, get a six pound package of Velvet—mix it in a pail of water—then gradually pour the mixture into the cistern after having filled it with hard water, and you will never miss rain water. For smaller quantities, about two ounces will soften 100 gallons of water of medium hardness, or four to six ounces will soften 100 gallons of hard water.

Price: 3 lb. carton, 45c, 6 lb. carton, 75c, prepaid.

### IDEAL SALT AND MINERAL FEEDER

Thousands of Ideal Salt Feeders and Mineral Cups are now in use by the leading dairymen of the Northwest, for here is the most practical sanitary and economical necessity of any modern dairy barn. They are sold with a full guarantee of satisfaction or your money back, and we will replace free of charge all parts that do not stand actual service for one year.

The Ideal Salt and Mineral Feeder is a heavy glazed stoneware cup 10 inches in diameter and 5 1/2 inches deep. It is supported by a strong clamp which is fastened to the stall post with two plain bolts. The opening of the Ideal Salt Feeder is just large enough for the cow to get her whole mouth into the bowl. This is most important as several of improper size have been placed on the market and proven a failure. The clamps are of best grade malleable iron castings and a tough mild steel band. Best used opposite the water bowl. Only one salt feeder is needed for two animals.

The glazed stoneware cup is rust and wear-proof, sanitary and practically unbreakable.

Ask for special circular with testimonials from well known authorities such as the Board of Control of State Institutions, and the U. S. Department of Agriculture.

Over 40,000 Ideal Feeders are now in use and only recently have the manufacturers been able to keep up in filling orders.

Healthier cows and highest possible production are assured by letting your livestock regulate their own salt and water supply.

Price: \$2.25 each—f. o. b., Faribault. Weight packed, 12 lbs.

### IDEAL SANITARY WATER BOWL

The bowl is the same size and depth as that of the Salt Feeder—with a small inner rim to prevent splashing out water and a cork drain plug in bottom, placed where no animal can get at it. The nosepiece of the valve can be easily unhooked with one hand, therefore easy to clean the bowl without detaching it. The valve is independent of bowl and can be set any depth by raising or lowering bowl on the post. The bowl has a self draining valve, therefore frost proof. Water valves are guaranteed against leakage for five years.

Ask for special circular with detailed information.

Price: \$3.50 each f. o. b. Faribault. Weight packed, 16 lbs.

### Topzol Non-Poisonous Exterminator

#### of Rats and Mice



Here is a new exterminator that is non-poisonous to humans, domestic animals, poultry, dogs or cats, but will kill rats and mice quickly. Topzol drives them out of doors to die. Numerous materials and contrivances have been designed for the destruction of rats and mice, but few of them have proven to be of outstanding usefulness. There is always a danger of livestock, poultry, pet dogs or cats being exterminated when deadly rat poison is used. Now this danger is done away with. Topzol can be used safely around the home, barns, poultry house, or any rat or mouse infested building.

Rats and mice eat it readily and it is easily prepared—mixing with butter, ground feed or cereals. Full directions with each package. Topzol is guaranteed to kill rats and mice and nothing else. Use according to directions and purchase price will be refunded if it fails.

Price: Two ounce package 55c, prepaid. Not prepaid, 50c.

### "SURE-CATCH" POCKET GOPHER

#### TRAP

Few farmers realize the losses caused by pocket gophers. Most counties pay bounties to check these farm robbers, but only recently has a trap been brought out that will really get a pocket gopher nine times

out of ten. This trap is so simple and effective that the manufacturers back it with an unlimited guarantee to do the work, or you return the trap and get your money back.

The 'Sure-catch' Trap is a little over 9 inches long. Is easy to set—perfectly harmless to handle and fits into the gopher hole, half length. The trap is not covered and the gopher from within trips the trigger as he attempts to cover up the hole. Boys and girls make good money trapping pocket gophers, at a small fee from farmers and collecting bounty besides. Price, with full instructions—\$1.00 each, 6 for \$4.75, prepaid.



Part of 104 Pocket Gophers caught in one night near Castle Rock, Minn.



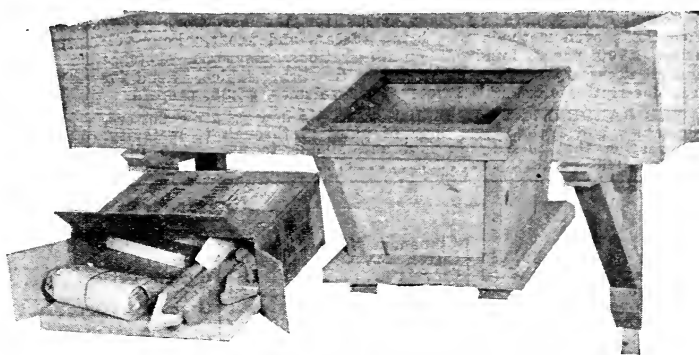
# REDWOOD URNS AND FLOWER BOXES

Neatly designed for decorative plants and flowers. Built of clear, hard Redwood, free of sawwood. Will outlast metal; cost much less than stone or concrete, and the simplicity of design will harmonize with any style of architecture.

Solid one-piece bottom; pedestal legs; sides of solid one inch clear boards with moulded corners to conceal joints; mitered top moulding to effect massiveness, yet not out of proportion. Nothing like it on the market. Made in three sizes: Prices f. o. b. Faribault.

	Wt.	Price
"A" 8 in. high, 9x9 in. inside diameter..	8 lbs.	\$1.75
"B" 10 in. high, 12x12 in. inside diameter..	11 lbs.	2.10
"C" 12 in. high, 15x15 in. inside diameter..	16 lbs.	2.95

Packed one complete Urn, knocked down, in a carton with full instructions and the necessary nails for assembly.



## PORCH AND WINDOW BOXES

With little expense, every home and apartment can be beautified, especially during the spring and summer months, by the addition of Porch and Window Boxes. Our Boxes are made from one inch Clear Heart, dry Redwood, well milled; the ends fit into the sides, and the bottoms fit into the ends. They are finished in the natural Redwood color. Prices f. o. b. Faribault.

	Price
Size 8x8 inch, 2 ft., weight 10 lbs.....	\$1.00
Size 8x8 inch, 3 ft., weight 13 lbs.....	1.40
Size 8x8 inch, 4 ft., weight 18 lbs.....	1.75

Bottoms have holes bored for drainage. Window boxes or urns are not painted. Complete instructions for assembly are included in each carton, and sufficient zinc coated nails of proper size.

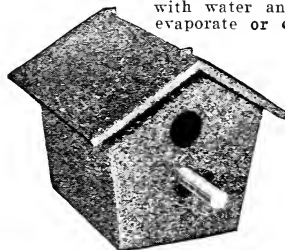
## REDWOOD WINDOW BOX BRACKET

A simple bracket of clear Redwood which will accommodate either size window box. Furnished in the knock down, with necessary nails for assembly. Each piece completely milled, and consists of three pieces 1½x2x12. Price, per pair (wt. 3 lbs.) 50c.

## "LITE-WATE" LAWN SETTEE

Just the thing for the lawn, the garden, the porch, playgrounds, parks, etc. It is convenient to move about as it actually weighs only 18 lbs. This New "Lite-Wate" Settee is sturdily built, has all channel steel legs and braces, sheridized bolts and oak slats. All the qualities of a high priced bench.

The bench is 42 inches long (ample room for two people) and stands 30 inches high to top of the back. The seat is 13 inches from front to back. The iron parts are painted dark green, slats varnished in natural oak. Comes knocked down, packed in a carton. Weight, packed 20 lbs., for express shipment. Price: \$3.00 each f. o. b. Faribault. Not mailable.



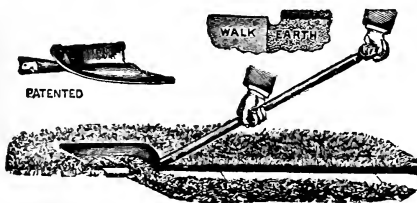
## HOME THERMOMETER

Let this tested thermometer help keep your home comfortable, or keep a check with it on the temperature of the barn or out of doors. There is nothing more useful than a good thermometer and thousands of "Farmer Brand" thermometers are now in use.

We want this to be a silent reminder of the exceptional value of "Farmer Brand" Seeds—therefore this unusual offer. Price: 25c, prepaid.

## Imperial Lawn Edge Trimmer

With this tool, the rough straggling, overhanging grass along the edges of the walk can be trimmed in a few minutes. It plows a clean U-shaped trench, delivering the cutting on the sidewalk, making a neat and attractive appearance. Price: \$1.60 prepaid. Not prepaid, \$1.50.



## SAVE THE TREE WITH "43"

"43" is a scientifically prepared plastic compound that makes easy the problem of tree surgery for anyone. No experienced tree surgeon is needed. It is ready for instant use in repairing damage, healing a wound and keeping out disease. It contains 18 ingredients beneficial to trees, medical oils to heal wounds and non injurious acids to destroy fungi, insects and worms. Every tree lover should have a can of "43" on hand, the scientific healing filler for cavities. It does not shrink but is light in weight, elastic and waterproof. Full instructions with each package.

Price: 1 lb. 45c prepaid, 2½ lbs. \$1.00 prepaid, 5 lbs. \$1.75, prepaid.

## "MIDNIGHT SUN" AUTO CLEANER AND POLISH

No oil—no wax—no dust collector. Here is the dry cleaner and polish the world has been waiting for. Will bring back the original lustre of duco and all other finishes. "Midnight Sun" contains no acid, alkali, soap, wax, grease or grit and can be safely used on every finish. It cleans and polishes with one operation and with but very little effort. "Midnight Sun" is the newest discovery—removes that dull coating and leaves a hard, dry finish that will not collect dirt. It comes in powder form. Simply mix with water and it is ready for use. "Midnight Sun" will not evaporate or deteriorate and if you don't say it is the greatest cleaner you ever tried, send it back and get your money. Excellent also as a furniture polish.

Price: Per can (to make 1 qt. of liquid cleaner) \$1.00 prepaid.

## IDEAL WREN HOUSE

This beautiful Bird House is made of wood and completely covered with genuine pearl chips of a dark green color. Very attractive. Has two staples at the top, with small nickel plated chain, so it may be hung easily. One of the most attractive and inexpensive bird houses on the market. Comes packed in individual cartons. Price: 50c, prepaid.

## GOODWIN BALL BEARING

### GRASS SHEARS

Indispensable for keeping lawns and shrubs in trim. Neat appearance. High quality, improved Grass Shears with sturdy rust-resisting blades, one inch thick, made of carbon knifeblade steel; heat treated.

Blades are beveled and ground to a fine cutlery sharpness. Cutting edges 4½ inches long.

Goodwin Shears are adjustable. Tension adjustment makes them easily adaptable to all cutting requirements—fine grass—coarse stalks—hedges or light pruning. The Goodwin is the only ball-bearing Grass Shear.

Insures smooth action at all times and no binding or spreading of the blades in service.

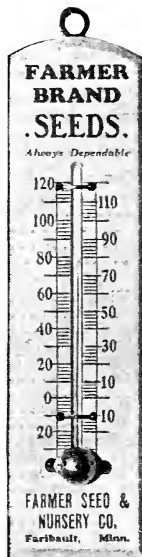
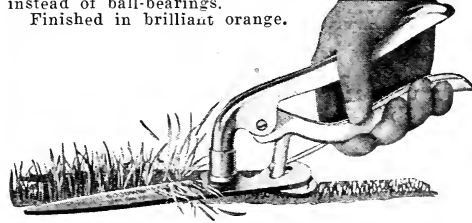
Handles are fitted to the hand and rounded at the corners; easy ball-bearing action.

Price: No. 10 Goodwin Ball-bearing Grass Shears \$1.60, prepaid.

Price: No. 20 Goodwin Jr. \$1.10, prepaid.

The Goodwin Jr. has every advantage of the larger Goodwin, except that it is smaller in size and has bronze instead of ball-bearings.

Finished in brilliant orange.



# BOOKS FOR GARDEN AND FLOWER LOVERS

## AUDELS GARDENERS' & GROWERS' GUIDES

Complete up-to-date reference books for the gardener. They give the proven methods that bring success and profit. Four volumes, 1,700 pages, hundreds of illustrations, diagrams, sketches and all necessary seeding, planting and fertilizing tables. Send for free descriptive circular. Price: Four volumes, \$5.35, prepaid.

**THE GARDENER**, by L. H. Bailey. Tells how to grow flowers, vegetables and fruits, from time of planting through to maturity. Information that is easy to find and simple to use. 116 illustrations, 260 pages. \$2.00 prepaid.

**ROCK GARDENS**, by F. F. Rockwell. Shows how to build a rock garden on a small or large scale, at little expense, and tells what to plant for best effect. 31 illustrations, 86 pages, \$1.00 prepaid.

**SHEUBS**, by F. F. Rockwell. Complete information on best ways of improving the home with shrubs. Tells how to plant, water, mulch, and care for shrubs. 49 illustrations, 76 pages, \$1.00 prepaid.

**LAWNS**, by F. F. Rockwell. Tells how to start a lawn right, and how to keep it smooth and velvety. Suggestions on care after planting, weed and pest control, and remaking and repairing old lawns. 39 illustrations, 86 pages. \$1.00 prepaid.

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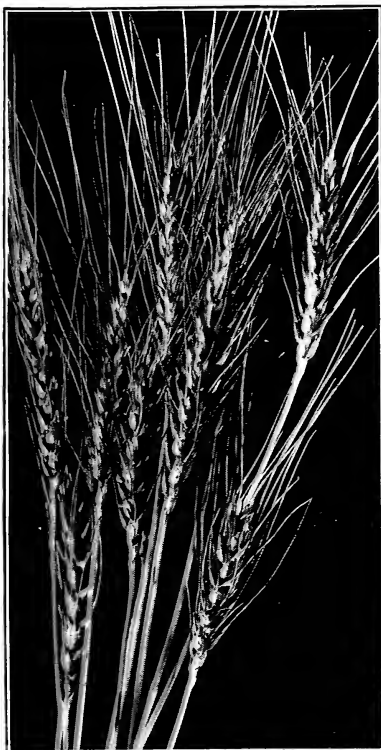
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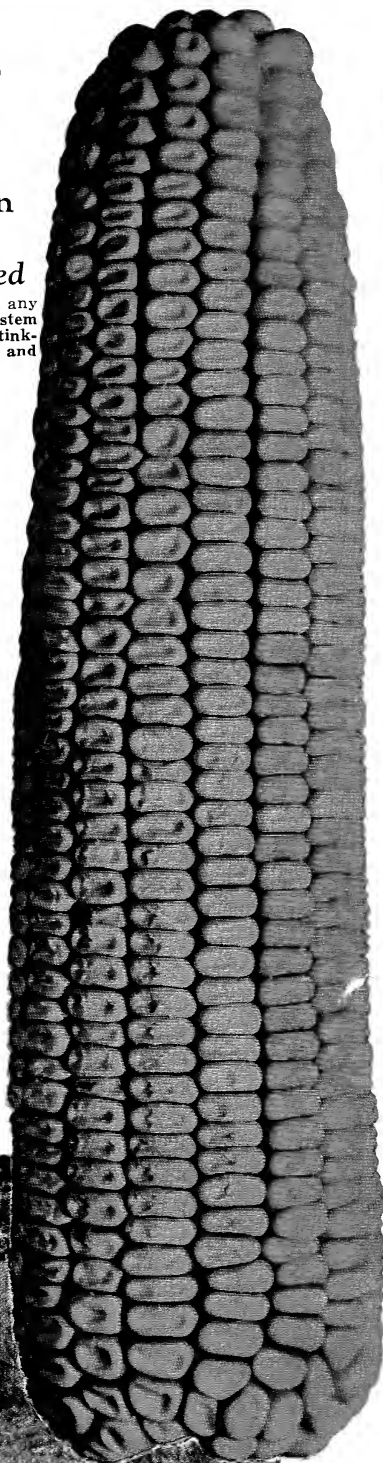
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